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Directorate of
Intelligence

Handbook of Economic Statistics, 1984

A Reference Aid

CPAS 84-10002
September 1984

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Handbook of Economic Statistics, 1984

Purpose and Scope
The *Handbook of Economic Statistics, 1984*, provides statistics for selected non-Communist countries and all the Communist countries.

In general, the data in the *Handbook* are for 1960, 1965, 1970, 1975, and 1979-83. Data for the Communist and non-Communist countries have been adjusted, when necessary, to achieve comparability and therefore may differ from data presented in the original sources. Footnotes have been used liberally to give definitions, exceptions, and methodology. The base year for average annual rates of growth is the year prior to the stated period.

Rounding of the Totals
The totals have been rounded, with some exceptions, to three significant digits. Because of rounding, components may not add to the totals shown. Totals are not presented if missing data are believed to represent a significant part of the total. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

Symbols
The abbreviation NA *(not available)* is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation NEGL *(negligible)* is used when the magnitude of the data is less than one-half of the final unit employed for each table.

Sources
The data given for the most recent years are frequently preliminary and subject to revision. The data for the Communist countries are official data from the country cited, CIA estimates, or estimates made by other organizations. The data for the non-Communist countries are from publications of the United Nations, the Organization for Economic Cooperation and Development (OECD), publications of US Government agencies, unclassified publications of other international organizations or individual countries, or are estimates of this Office.

Terms
Unless otherwise indicated, the term *Communist Countries* includes the USSR, the countries of Eastern Europe, China, Albania, Cuba, Kampuchea, Laos, North Korea, Vietnam, and Yugoslavia; the term *Eastern Europe* includes Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Romania. The term *European Community* includes Belgium, Denmark, France, Greece, Ireland, Italy, Luxembourg, the Netherlands, the United Kingdom, and West Germany. The term *developed countries* includes the European Community, Austria, Finland, Iceland, Israel, Liechtenstein, Portugal, Malta, Norway, Spain, Sweden, Switzerland, Turkey, Australia, Canada, Japan, New Zealand, the Republic of South Africa, and the United States. The term *Organization for Economic Cooperation and Development (OECD)* includes all the developed countries, except Liechtenstein, Malta, Israel, and the Republic of South Africa.

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The Big Six includes Canada, France, Italy, Japan, the United Kingdom, and West Germany. The Big Seven includes the United States and the Big Six.

Except for economic aid data, the term *less developed countries* includes the following:

- All independent countries of Africa except the Republic of South Africa.
- All independent countries of East Asia except Japan.
- All independent countries in Latin America except Cuba.
- All independent countries in the Middle East and South Asia, except Israel and Turkey.

Except for Cyprus, no country in either Eastern or Western Europe is in the LDC grouping. Except for Hong Kong, no territory that is a possession, trust, or protectorate is included in the LDC grouping.

The definition of *less developed countries* for economic aid conforms to that used by the Development Assistance Committee (DAC) of the OECD and other aid agencies and includes the following non-Communist countries:

- All independent countries of Africa except the Republic of South Africa.
- All countries of East Asia except Hong Kong and Japan.
- Malta, Portugal, and Spain in Europe.
- All independent countries in Latin America, except Cuba.
- All countries in the Middle East and South Asia.

Totals for the country groupings may or may not include all of the countries listed above, depending on the commodity or services listed.

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Figure 1
Gross National Product Per Capita, 1983 (in 1983 US $)

Bermuda	Greenland	Norway	Switzerland
Brunei	Kuwait	Qatar	United Arab Emirates
Canada	Liechtenstein	Saudi Arabia	United States
Denmark	Nauru	Sweden	West Germany

$5,001 to $10,000

American Samoa	Finland	Israel	New Zealand
Australia	France	Italy	Oman
Austria	French Polynesia	Japan	Poland
Bahamas, The	Gabon	Libya	Singapore
Belgium	Guam	Luxembourg	Trinidad and Tobago
Bulgaria	Hong Kong	Martinique	United Kingdom
Czechoslovakia	Hungary	Monaco	USSR
East Germany	Iceland	Netherlands	Virgin Islands (US)
Faroe Islands	Ireland	New Caledonia	Yugoslavia

$1,001 to $5,000

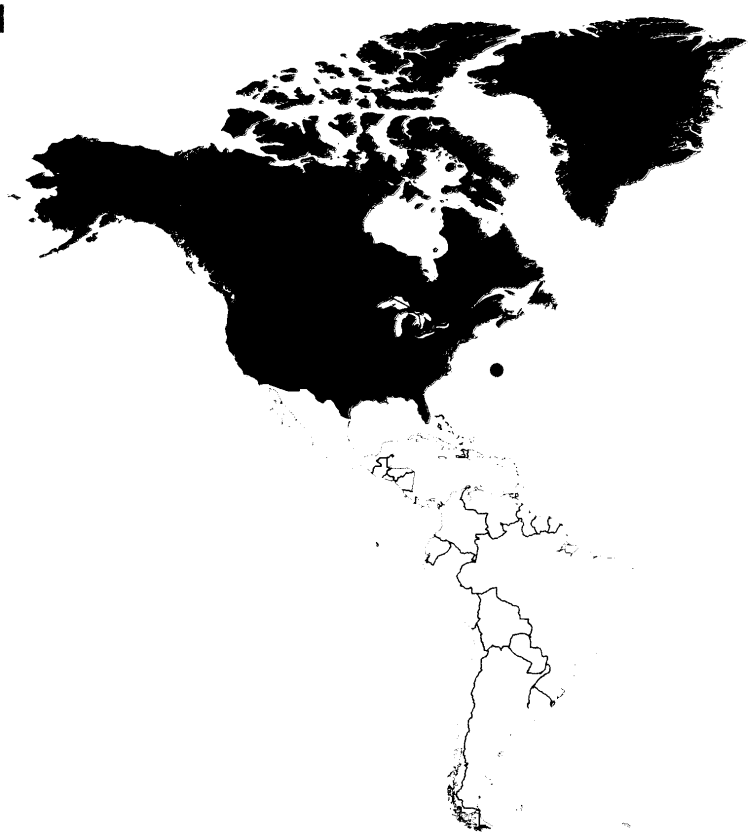
Algeria	Cyprus	Jordan	Reunion
Andorra	Dominican Republic	Macau	Romania
Antigua and Barbuda	Ecuador	Malaysia	St. Lucia
Argentina	Falkland Islands	Malta	San Marino
Bahrain	Fiji	Mauritius	Seychelles
Barbados	French Guiana	Mexico	South Africa
Belize	Gibraltar	Mongolia	South Korea
Brazil	Greece	Netherlands Antilles	Spain
Chile	Guadeloupe	Panama	Suriname
China-Taiwan	Guatemala	Paraguay	Syria
Colombia	Iran	Peru	Tunisia
Cook Islands	Iraq	Portugal	Turkey
Costa Rica	Ivory Coast	Puerto Rico	Uruguay
Cuba	Jamaica		Venezuela

$401 to $1,000

Albania	Ghana	Nicaragua	Thailand
Angola	Grenada	Nigeria	Tonga
Anguilla	Guyana	North Korea	Turks and Caicos Islands
Bolivia	Honduras	Papua New Guinea	Tuvalu
Botswana	Indonesia	Philippines	Vanuatu
Cameroon	Kenya	St. Christopher and Nevis	Wallis and Futuna Islands
Cape Verde	Kiribati	St. Vincent and the Grenadines	Western Samoa
Congo	Lebanon	Senegal	Yemen Arab Republic
Djibouti	Liberia	Solomon Islands	Yemen, People's Democratic Republic of
Dominica	Madagascar	Sri Lanka	Zambia
Egypt	Maldives	Sudan	Zimbabwe
El Salvador	Mauritania	Swaziland	
Equatorial Guinea	Morocco		
Gambia, The	Namibia		

Less than $401

Afghanistan	Comoros	Mali	Tanzania
Bangladesh	Ethiopia	Mozambique	Togo
Benin	Guinea	Nepal	Uganda
Bhutan	Guinea-Bissau	Niger	Upper Volta
Burma	Haiti	Pakistan	Vietnam
Burundi	India	Rwanda	Western Sahara
Central African Republic	Kampuchea	Sao Tome and Principe	Zaire
Chad	Laos	Sierre Leone	
China-Mainland	Lesotho	Somalia	
	Malawi		



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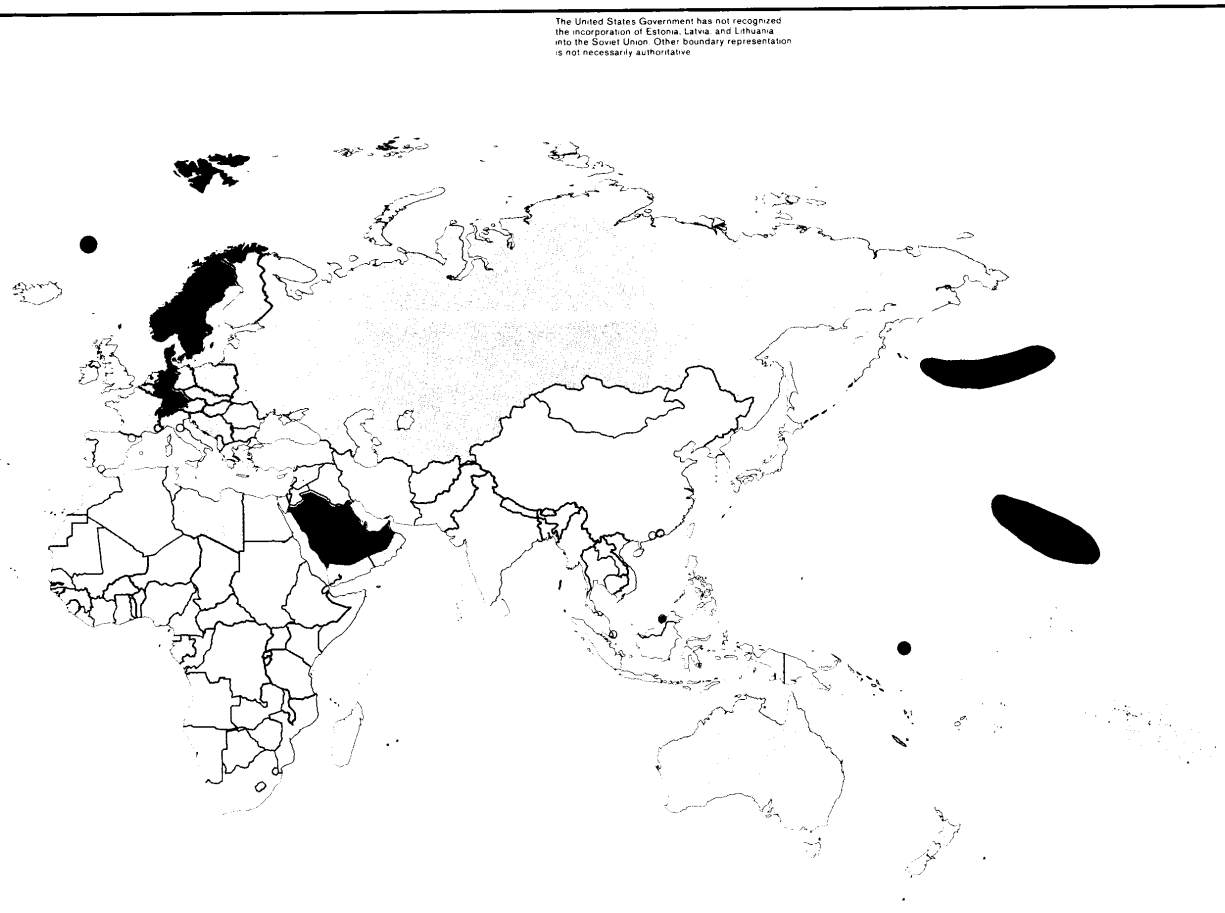
The United States Government has not recognized
the incorporation of Estonia, Latvia, and Lithuania
into the Soviet Union. Other boundary representation
is not necessarily authoritative

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Figure 2
World Gross National Product and Population, 1983

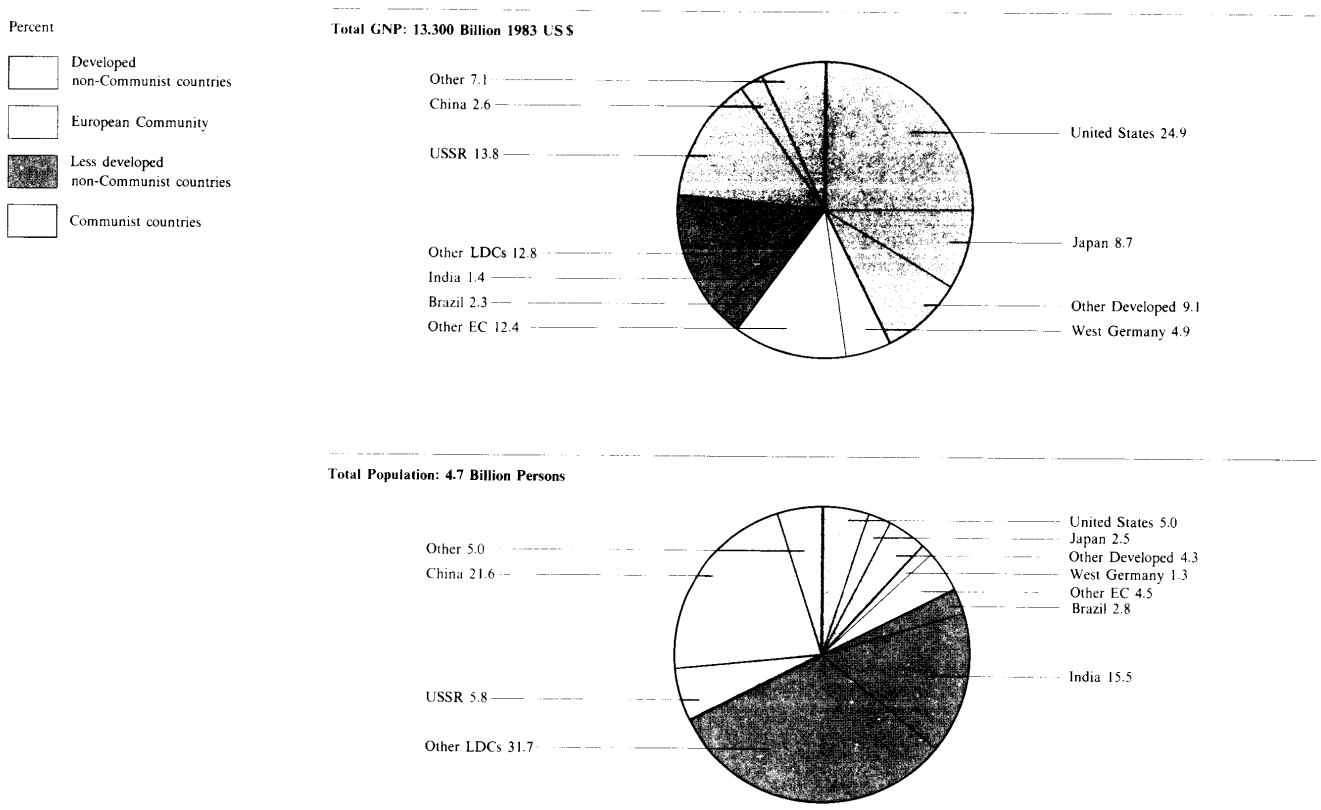

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Figure 3
Real Gross National Product Trends

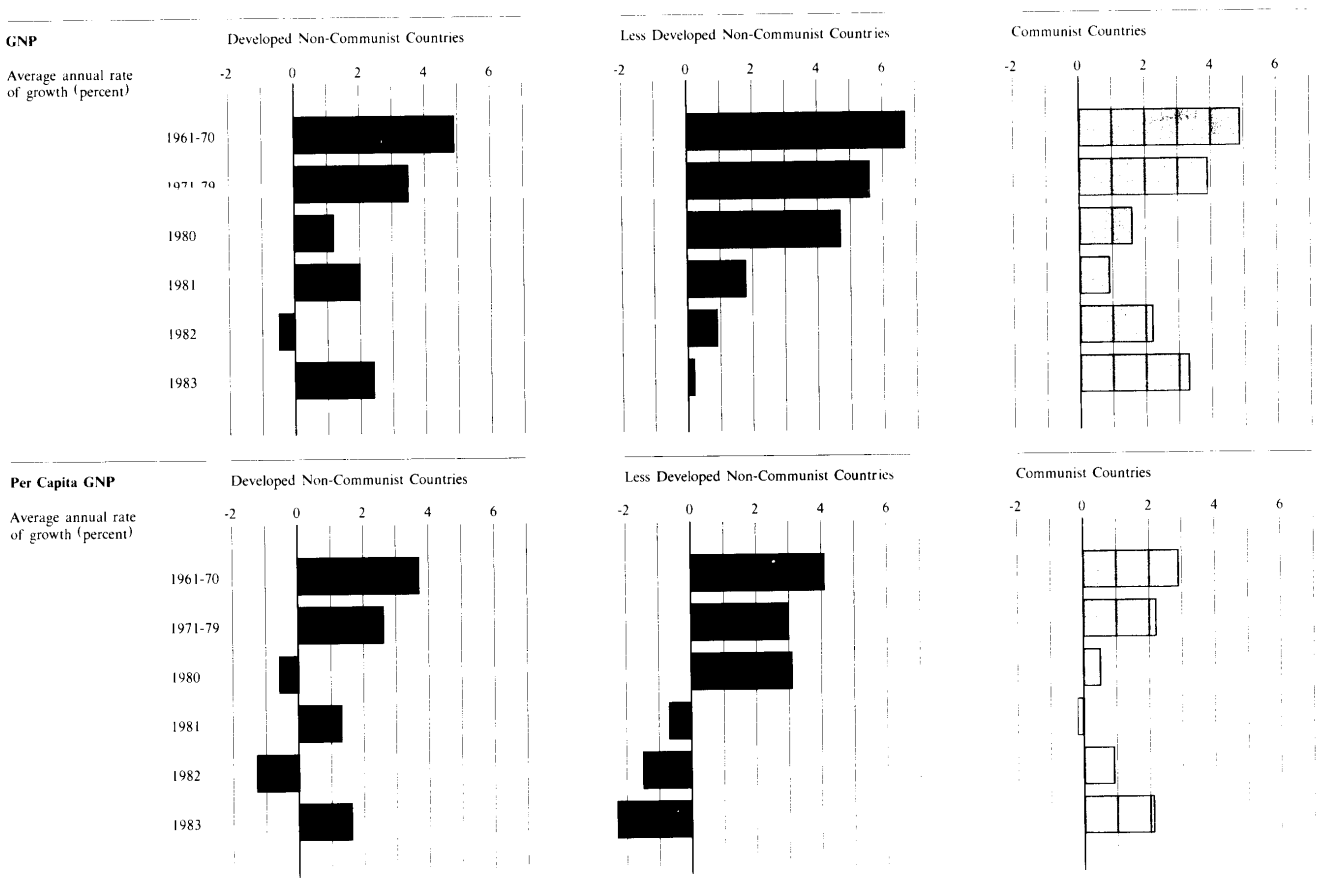

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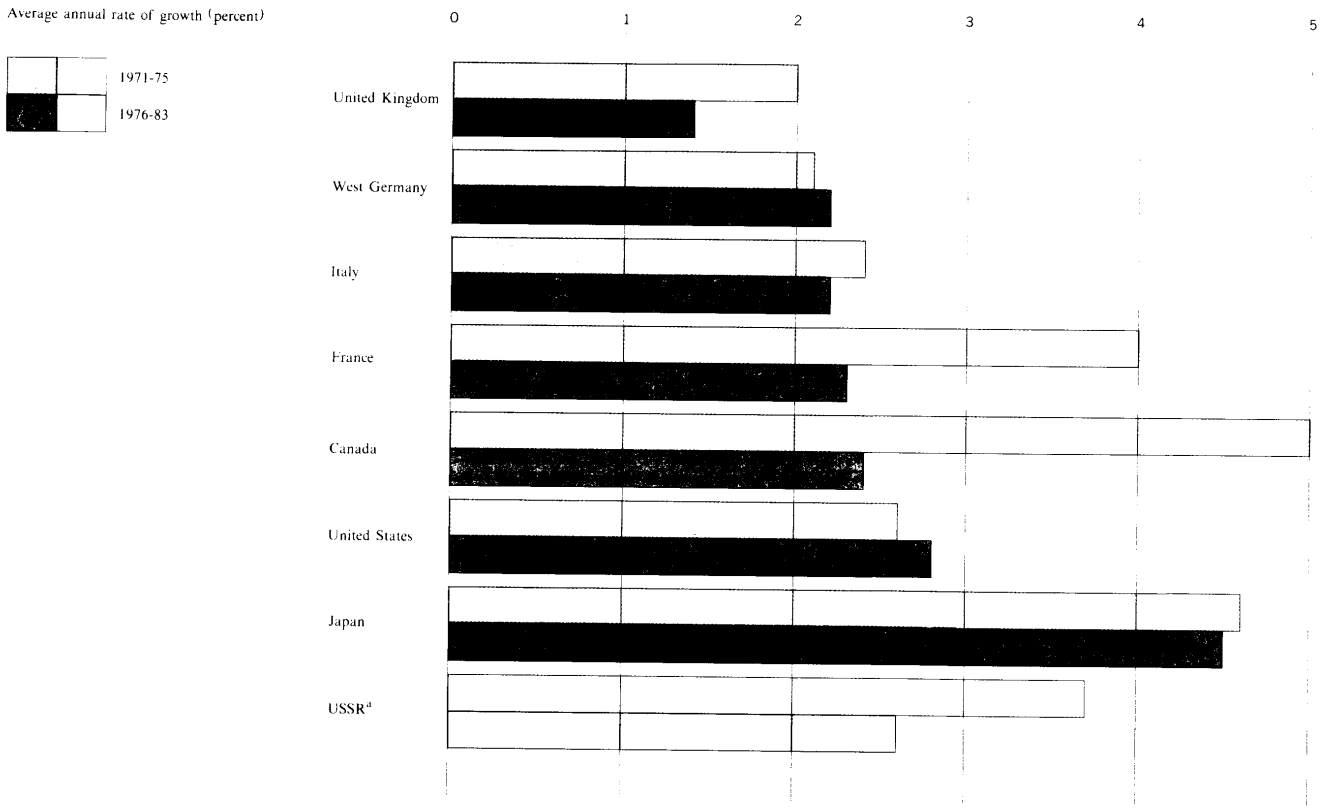
Figure 4
Real Gross National Product Comparisons



[a] Growth at factor cost.

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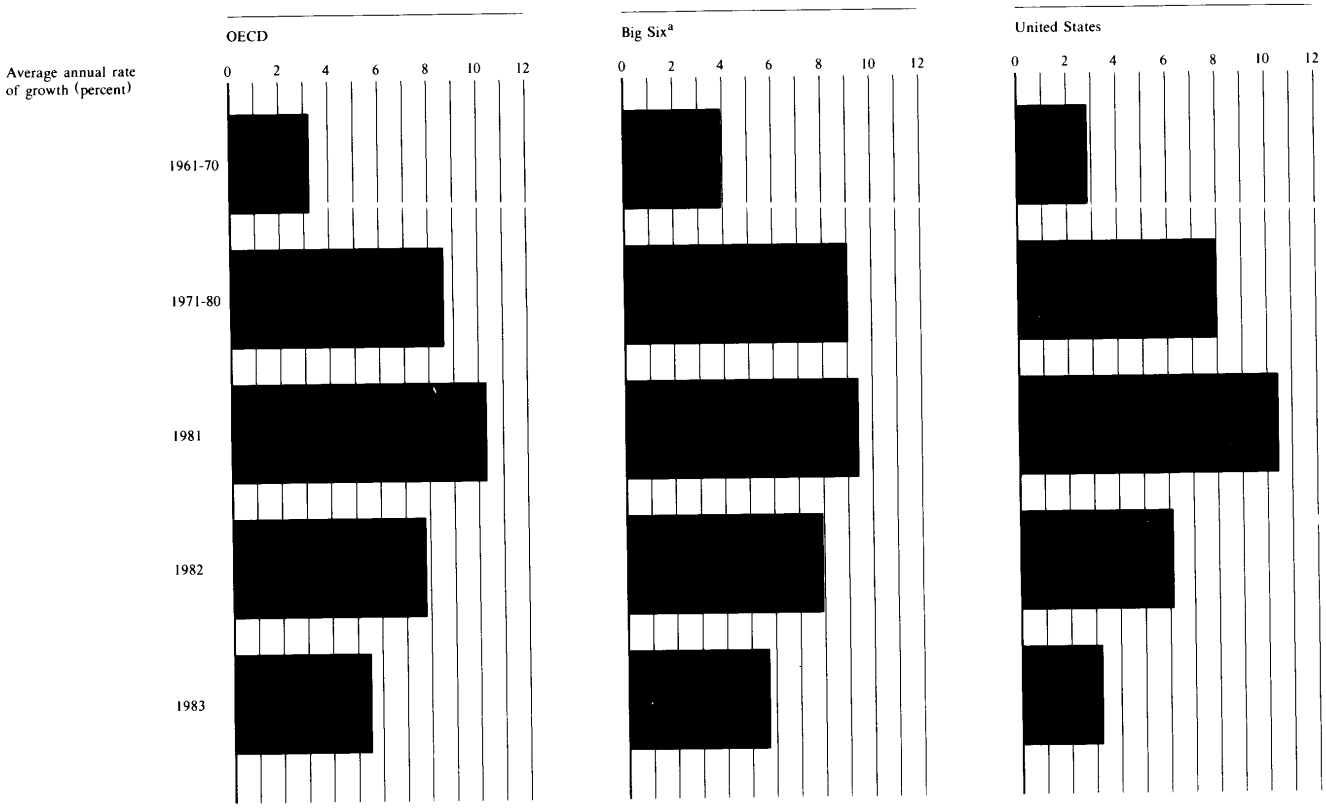
Figure 5
Developed Countries: Aggregate Inflation-Rate Trends



[a] Japan, West Germany, France, United Kingdom, Italy, and Canada.

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Figure 6
Less Developed Countries: Aggregate Real GNP Growth Rates

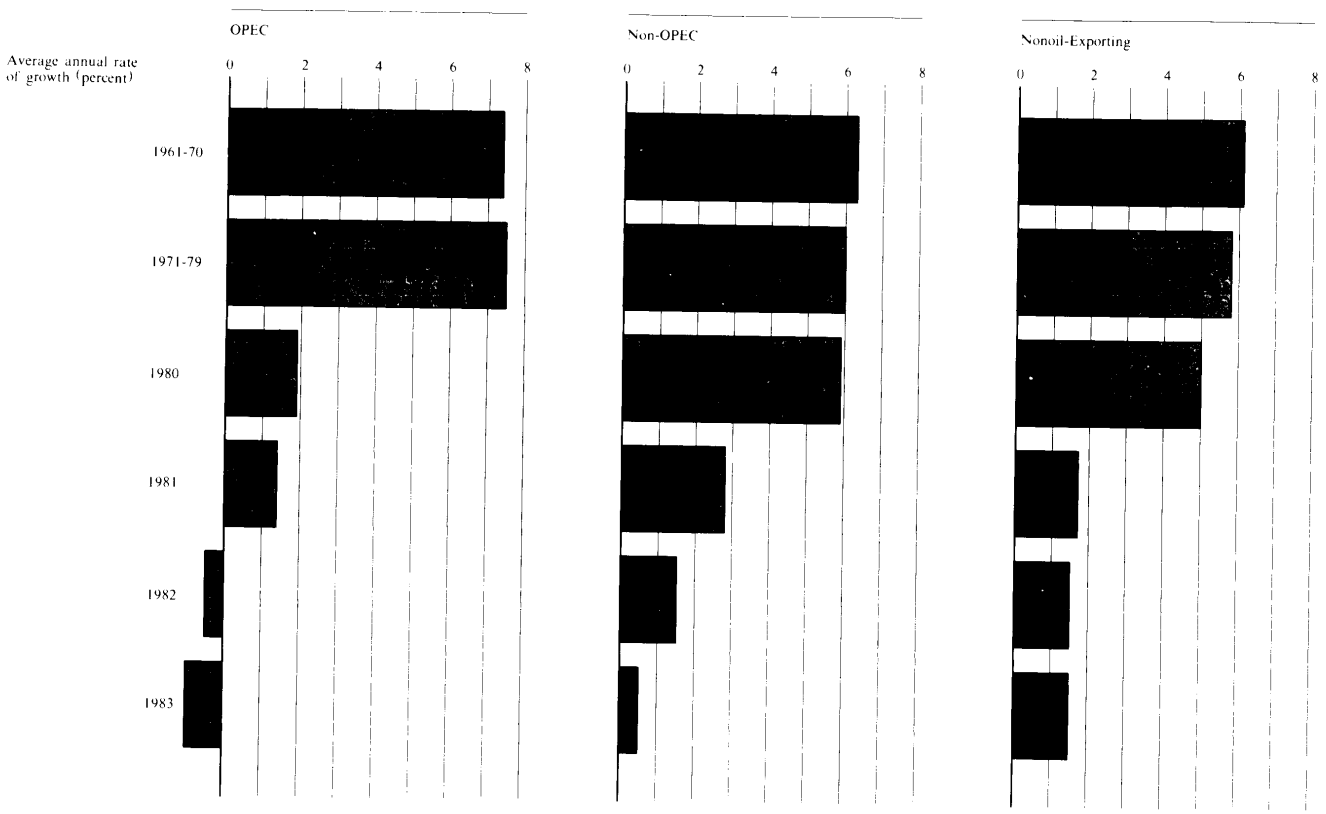

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Figure 7
Less Developed Countries: Aggregate Inflation-Rate Trends

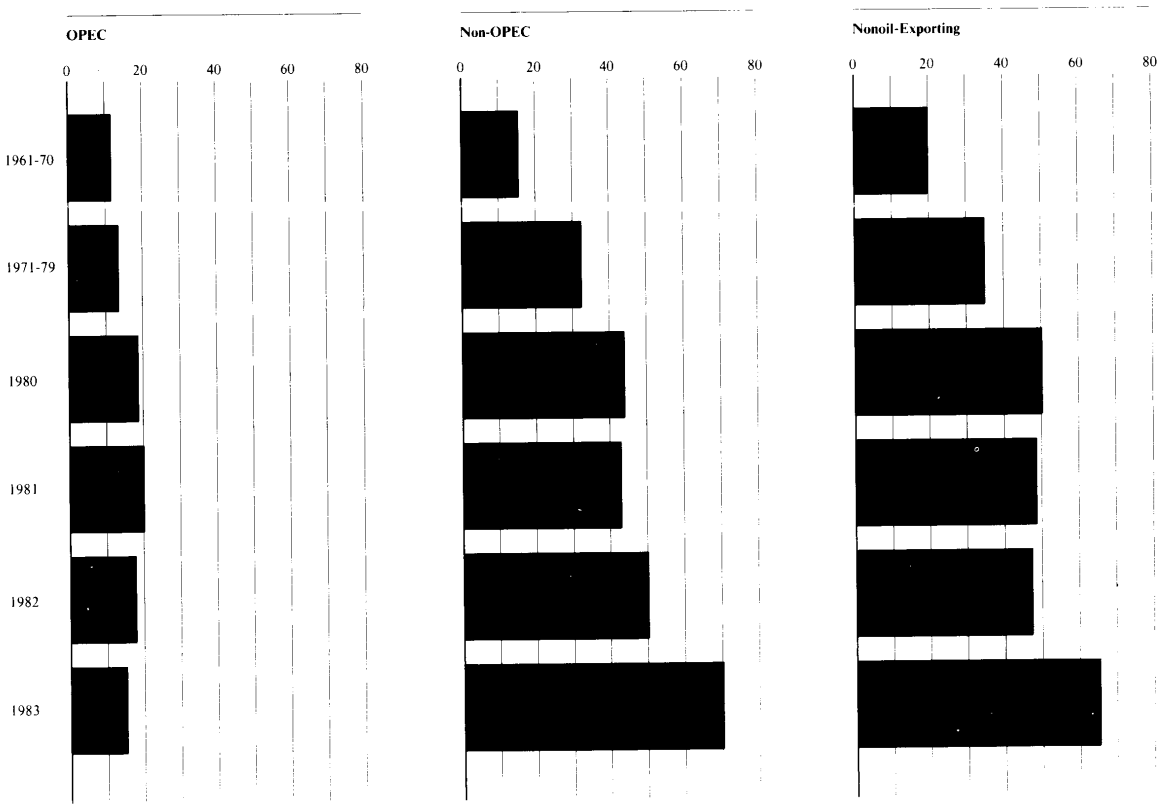

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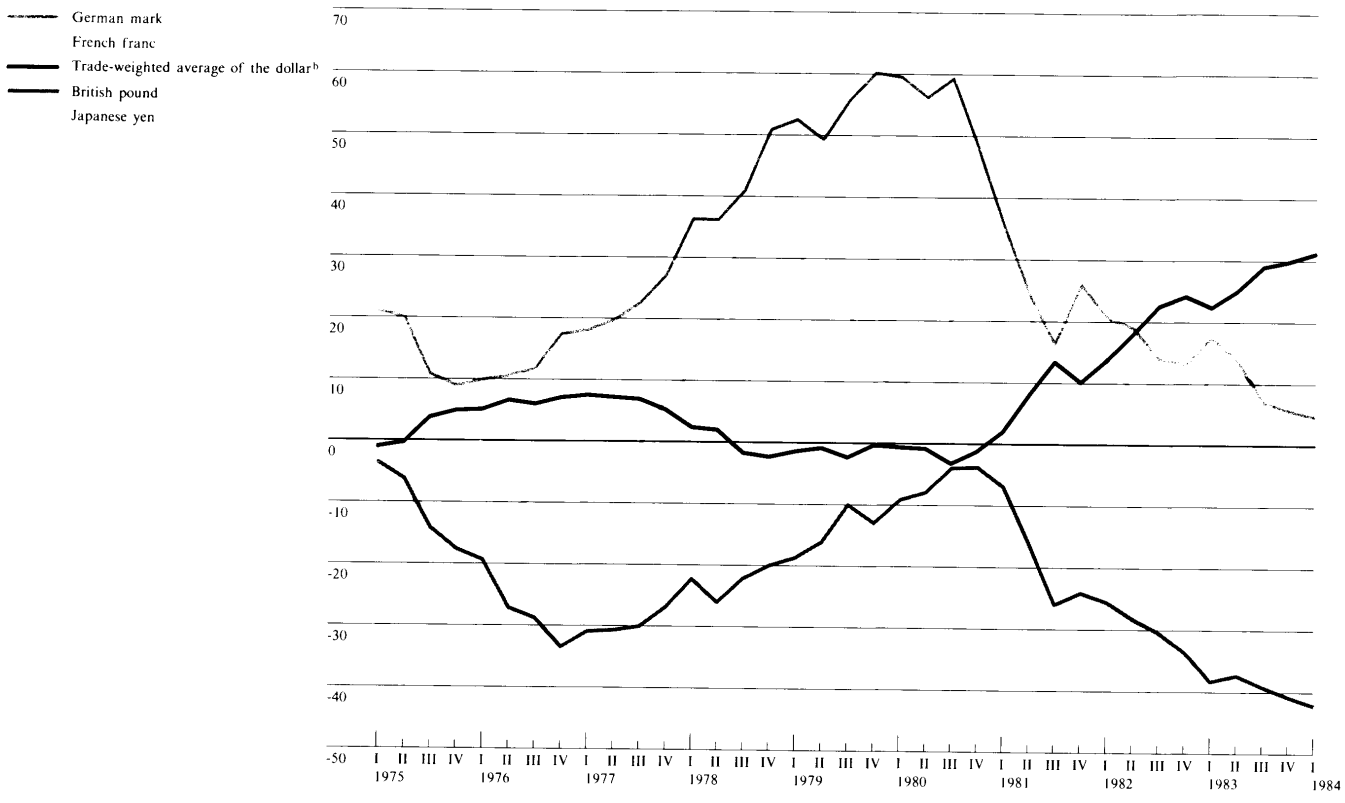
Figure 8
Percent Change in the Value of Selected Foreign Currencies Relative to the US Dollar[a]



[a] Change relative to selected foreign currencies, compared with March 1973.
[b] Relative to 16 major currencies, weighted by 1979-80 trade in manufactures.

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Figure 9
Government Receipts, Outlays, and Balances, as a Share of GNP

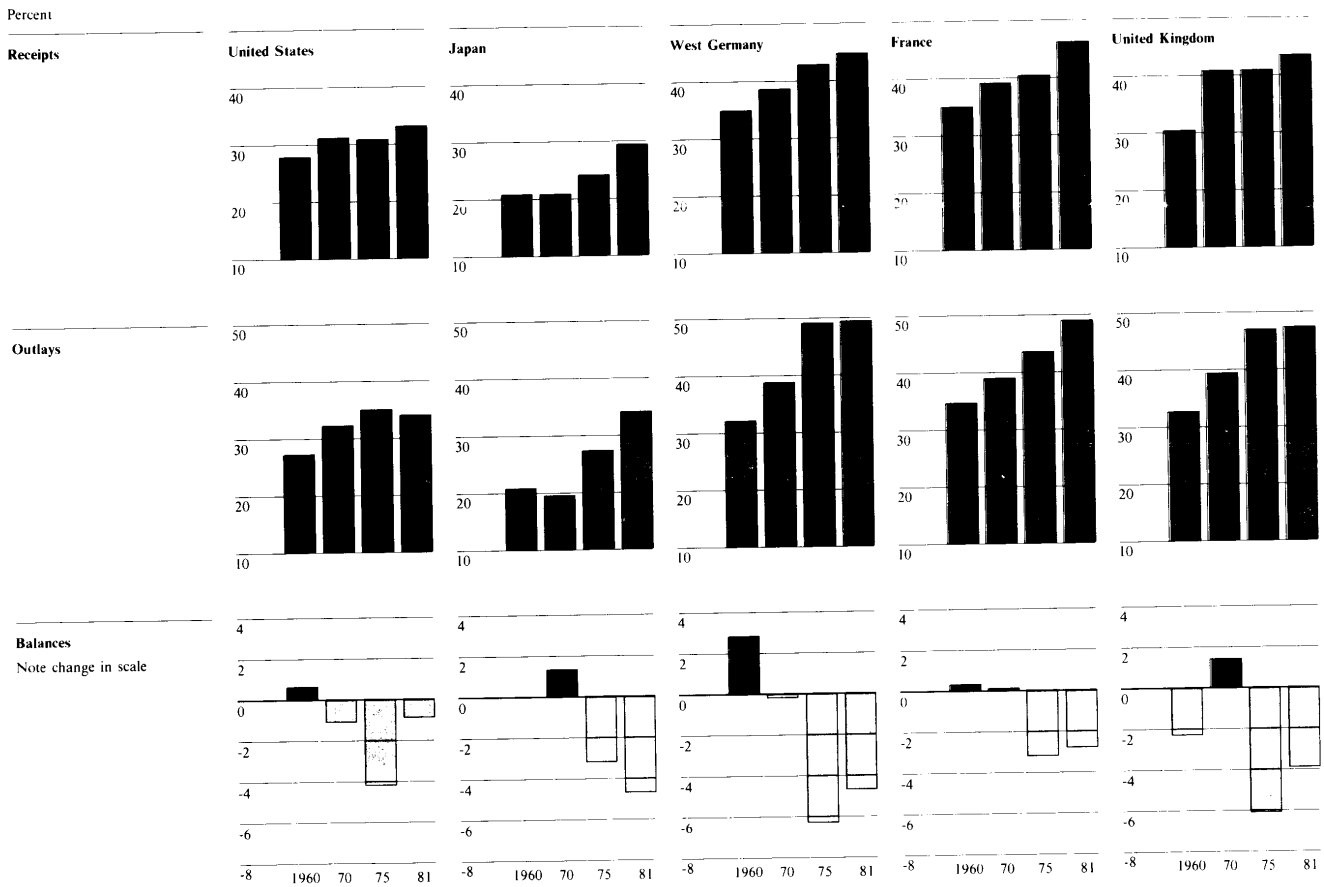

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Figure 10
Selected Industrial Countries: Comparative Tax Burden, 1981

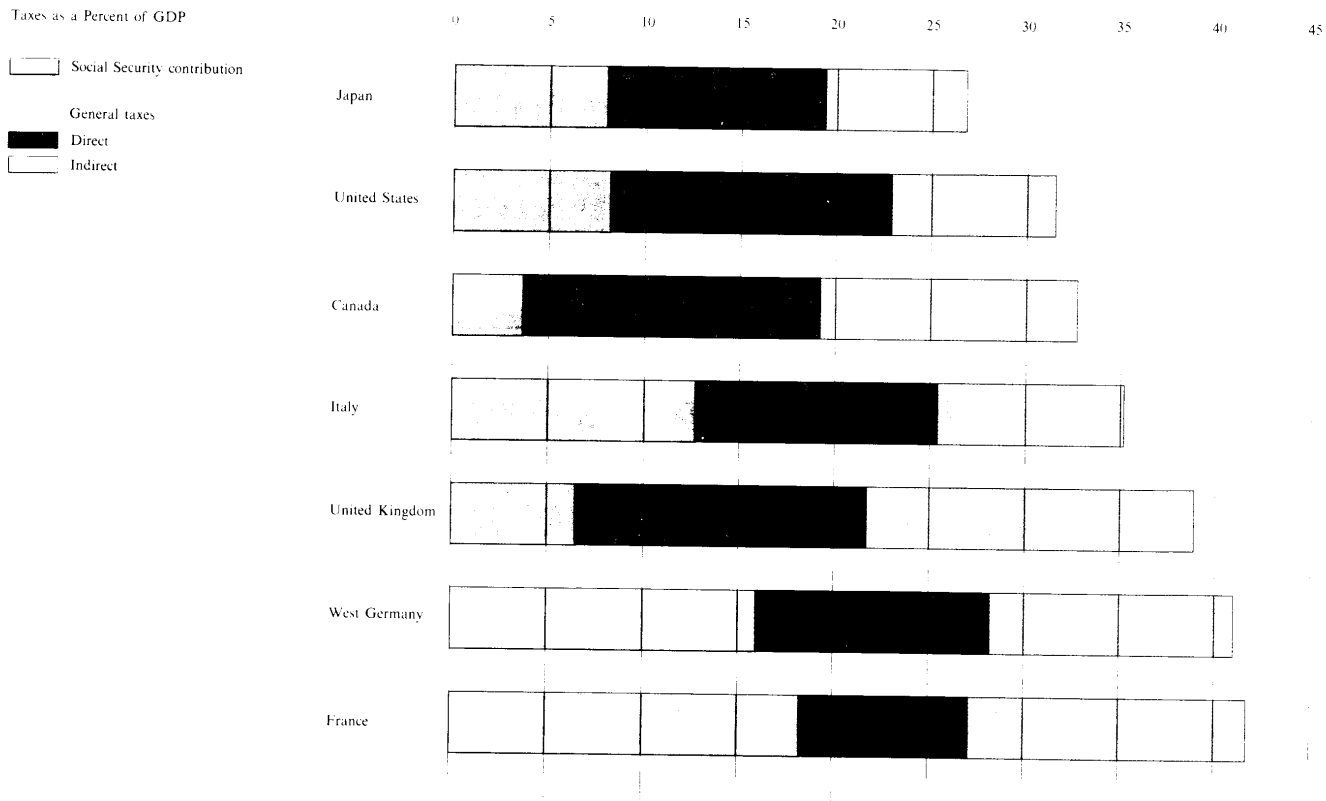

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Figure 11
Selected Developed Countries: Trends in Interest Rates

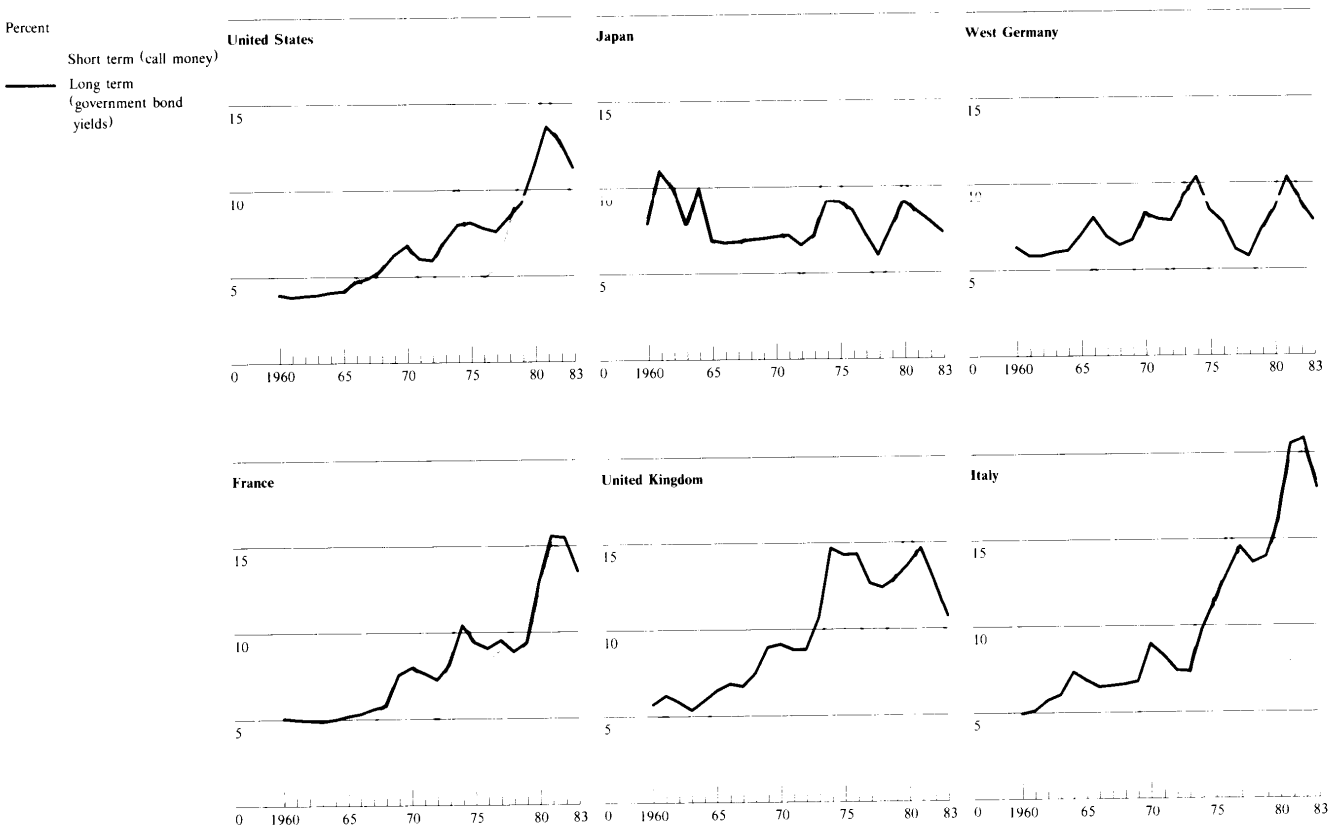

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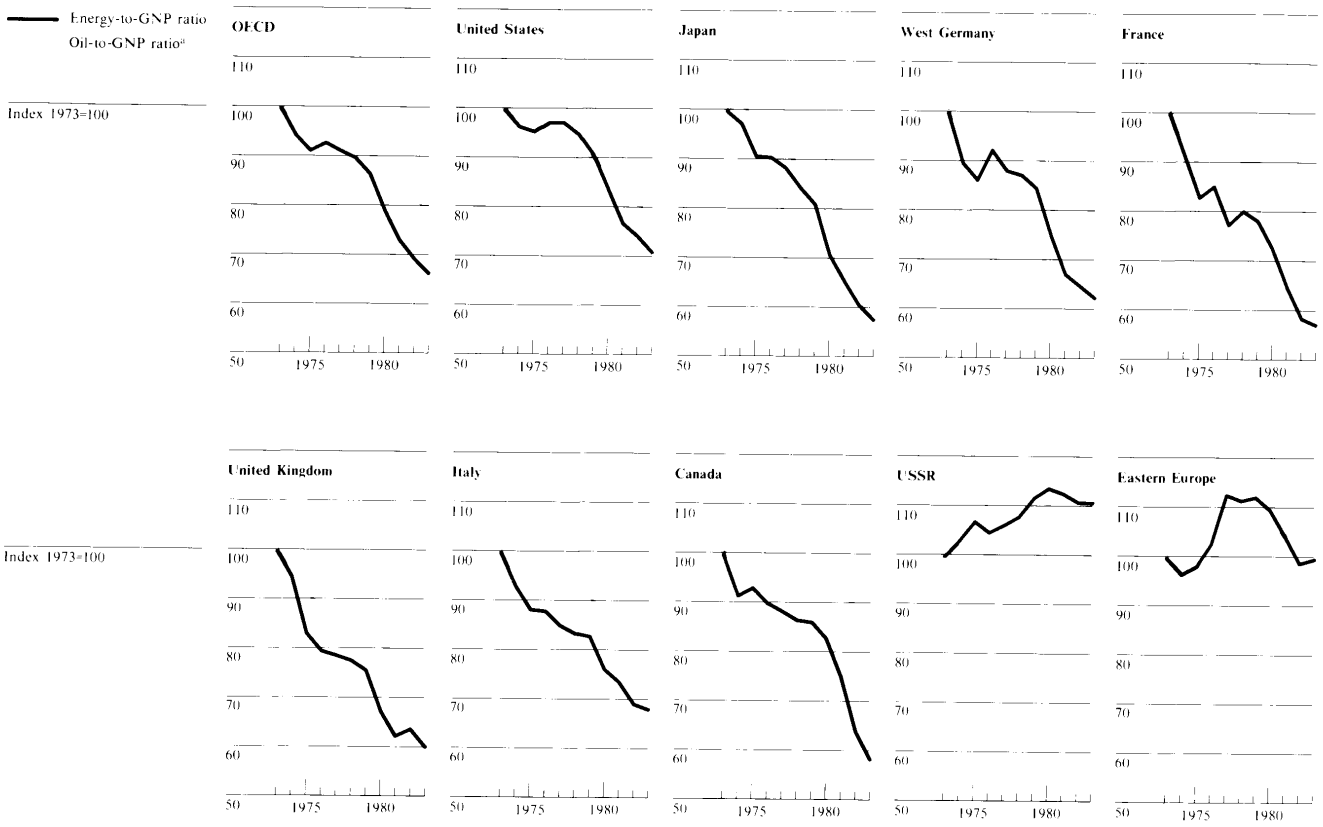
Figure 12
Measures of Energy Efficiency



[a] Care should be taken in comparing Soviet oil-to-GNP ratio directly with the ratio of Western countries. The Soviet series is based on apparent oil consumption because the Soviets do not publish data on oil consumption. The apparent consumption series does not take into consideration possible changes in year-to-year oil stock levels and is based on reported oil production and estimates of oil exports and imports.

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Figure 13
Minerals and Metals: Net Imports as a Share of Consumption, 1983

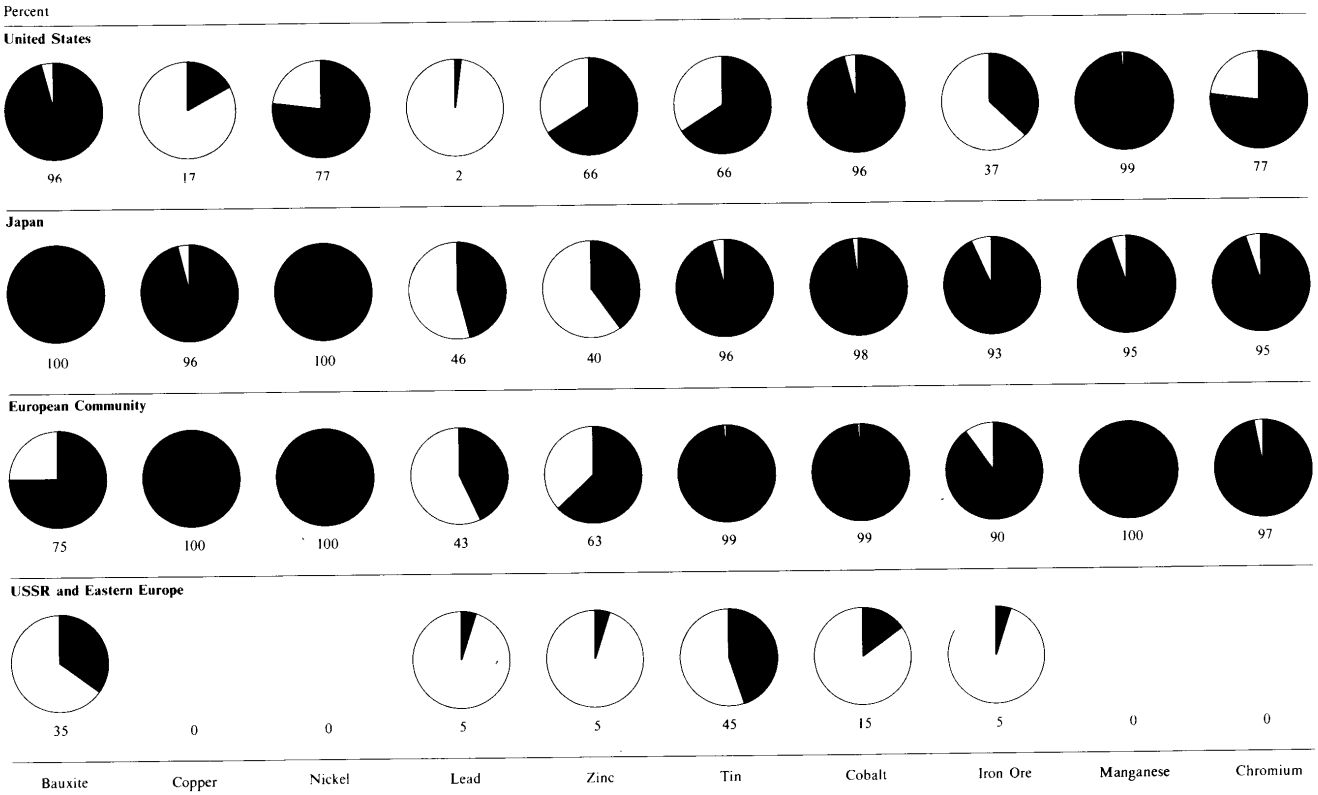

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Figure 14
World Crude Steel Production

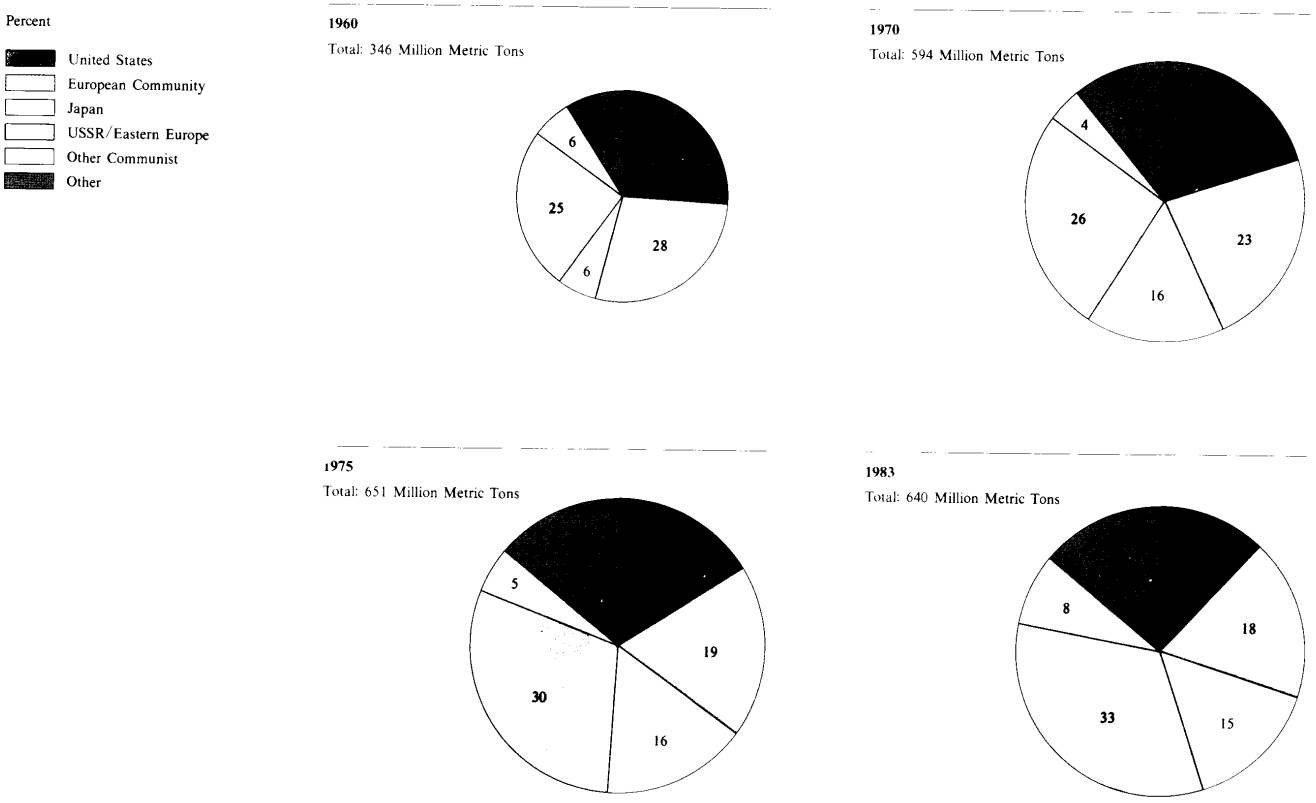

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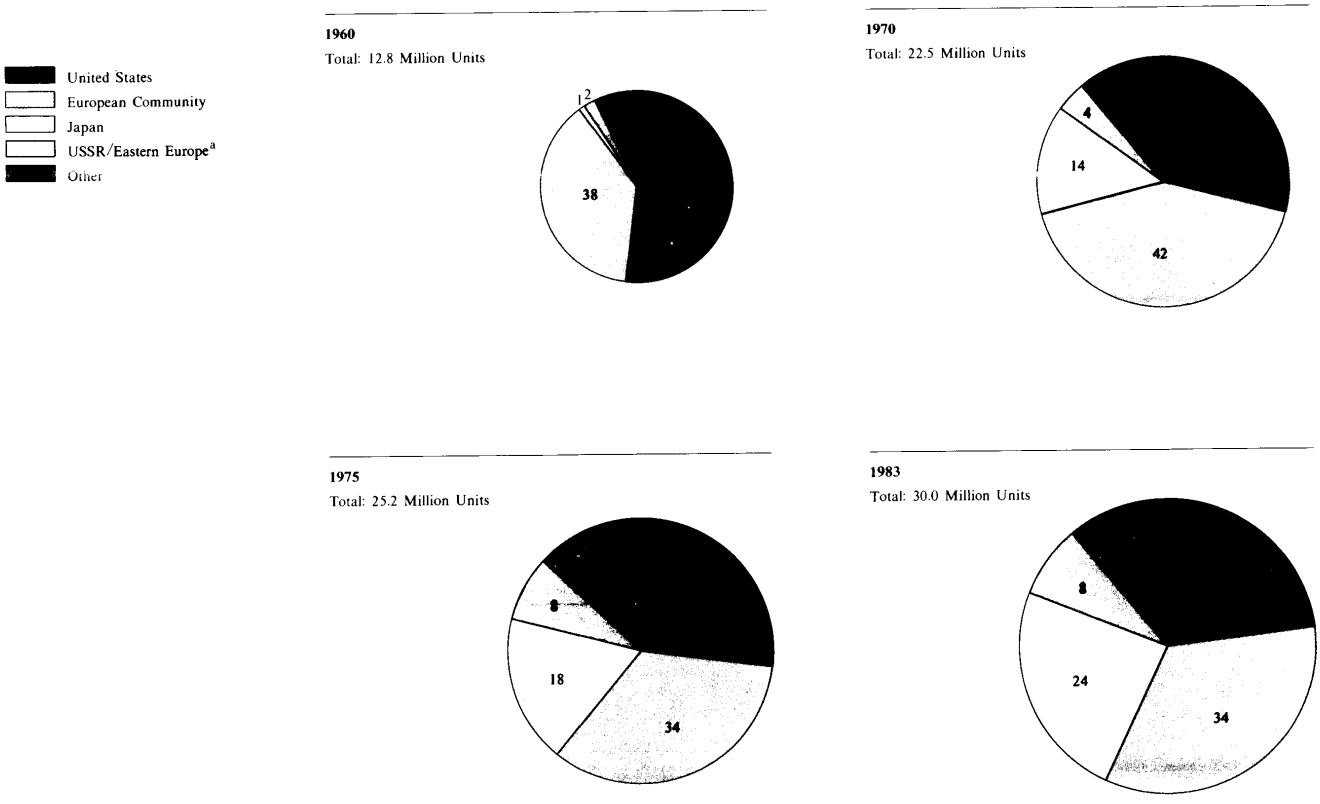
Figure 15
World Passenger Automobile Production



[a] Data include production in Yugoslavia.

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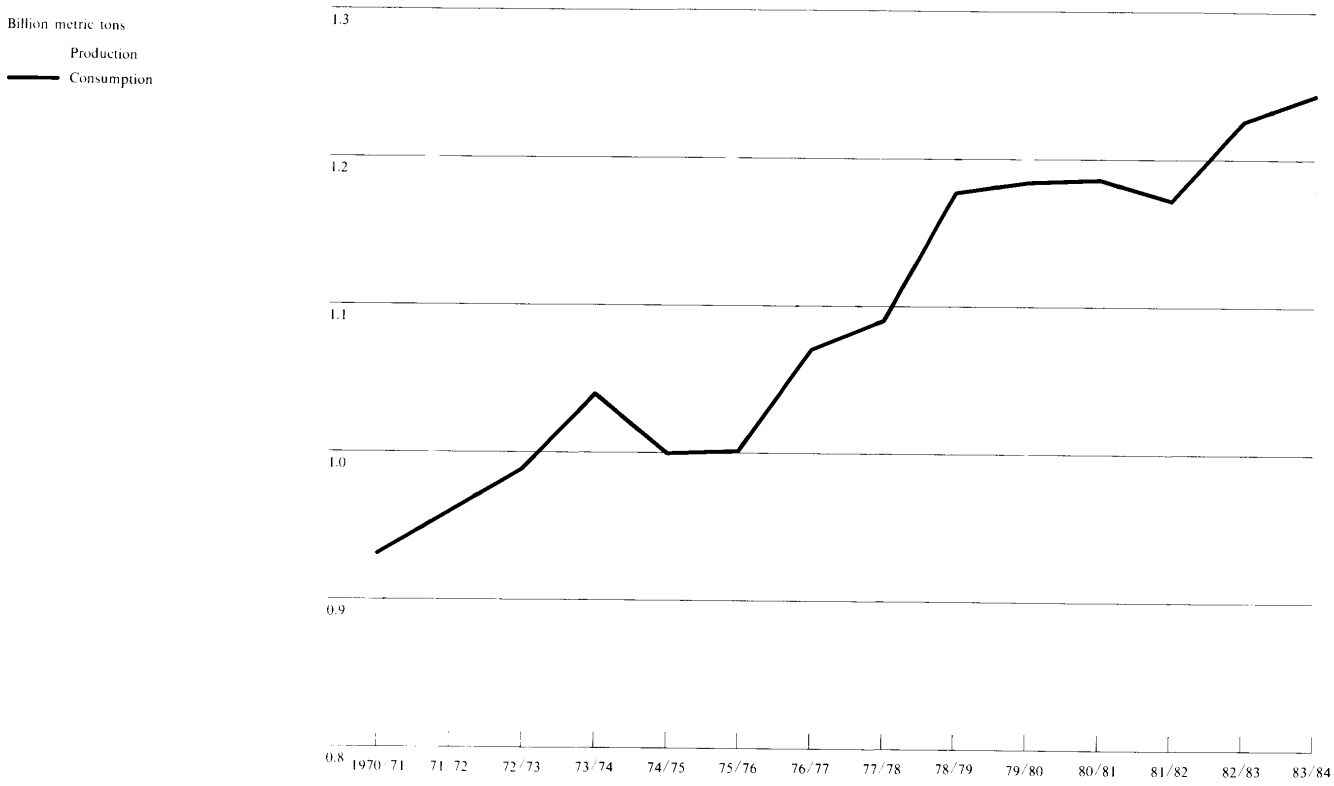
Figure 16
World Wheat and Coarse Grain Supplies[a]



[a] Includes corn, sorghum, barley, oats, millet, rye, wheat, and miscellaneous grains.

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Economic Profile

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Table 1

Selected World Statistics [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Gross National Product (billion 1983 US $)	5,350	6,850	8,800	10,700	12,500	12,700	13,000	13,000	13,300
Population (million persons, midyear)	3,063	3,357	3,722	4,107	4,402	4,478	4,559	4,641	4,721
Agricultural production index (1975=100)	65	73	88	100	110	110	114	117	116
Exports (billion US $)	129.8	189.9	313.1	873.8	1,642.6	1,999.4	1,974.5	1,852.3	NA
Crude oil, excluding natural gas liquids (million b/d)	21.0	30.3	45.7	53.0	62.6	59.5	55.8	53.1	52.7
Natural gas (trillion cubic feet)	NA	24.5	38.1	46.5	55.5	55.7	57.0	56.3	55.6
Hard coal (million metric tons)	1,985 [b]	2,034 [b]	2,141	2,361	2,725	2,770	2,742	2,861	2,800
Brown coal and lignite (million metric tons)	640	742	794	869	985	1,005	1,038	1,062	1,095
Electricity (billion kilowatt hours)	2,348	3,412	4,953	6,519	7,999	8,224	8,357	8,234	8,380
Iron ore (million metric tons)	522	621	769	892	904	896	861	796	778
Bauxite (million metric tons)	27.6	37.4	57.8	75.1	87.8	88.8	86.0	73.2	77.4
Pig iron (million metric tons)	259	335	431	468	530	510	501	454	447
Crude steel (million metric tons)	346	459	594	651	745	714	704	641	640
Refined copper (thousand metric tons)	NA	6,157	7,543	8,344	8,870	8,916	9,171	9,119	9,340
Primary aluminum (million metric tons)	4.5	6.3	9.7	12.0	14.6	15.4	15.1	13.3	14.6
Smelter lead (thousand metric tons)	2,313	2,641	3,292	3,369	3,299	3,205	3,159	3,237	3,610
Refined zinc (thousand metric tons)	3,025	3,949	4,827	5,460	6,269	6,057	6,140	5,881	5,920
Primary tin (thousand metric tons)	192	200	227	226	247	248	242	241	199
Mineral fertilizer [c] (million metric tons, nutrient content)	NA	42.8	66.3	93.3	113.7	119.0	124.9	119.7	120.8
Nitrogen fertilizer [c] (million metric tons of N)	NA	16.8	30.2	42.5	55.9	59.7	62.8	62.3	63.3
Phosphate fertilizer [c] (million metric tons of P_2O_5)	NA	13.8	19.2	27.1	31.5	33.4	34.6	31.8	33.0
Potassium fertilizer [c] (million metric tons of K_2O)	NA	12.1	16.9	23.7	26.2	25.9	27.5	25.6	24.4
Synthetic fibers (thousand metric tons)	700	2,050	4,870	7,450	10,662	10,164	10,361	8,961	8,825
Automobiles (thousand units)	12,800	19,100	22,500	25,220	31,360	28,880	27,720	26,868	29,670
Cement (million metric tons)	NA	439	585	720	930	948	820	841	860
Grain (million metric tons)	929	1,010	1,220	1,390	1,570	1,580	1,670	1,730	1,670
Wheat (million metric tons)	240	262	319	360	428	446	454	486	498
Coarse grain (million metric tons)	414	441	540	621	719	693	752	766	659
Rice (million metric tons)	162	166	312	356	374	395	408	420	447
Potatoes (million metric tons)	285	285	312	285	320	264	288	284	286
Sugar (million metric tons)	61.4	67.2	76.7	81.7	92.8	87.7	96.1	103	97.0
Coffee (thousand metric tons)	NA	4,929	3,566	4,393	4,922	5,142	6,076	4,889	5,569

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Table 1 (continued)

Selected World Statistics [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Fish catch (million metric tons)	40.2	53.2	65.6	66.0	71.2	72.3	75.1	76.8	NA
Cattle (million head)	901	1,072	1,096	1,202	1,223	1,205	1,214	1,225	1,227
Hogs (million head)	519	575	594	655	763	793	778	767	774
Meat (million metric tons)	65.4	73.3	102	117	134	138	140	141	145
Milk (million metric tons)	315	342	362	392	424	428	430	439	457
Wool (thousand metric tons)	2,450	2,540	2,840	2,722	2,706	2,773	2,820	2,857	2,860
Ginned cotton (million metric tons)	10.4	12.2	11.8	11.7	14.1	14.0	15.4	14.7	14.6
Tobacco (thousand metric tons)	NA	4,581	4,675	5,445	5,399	5,278	5,970	6,826	NA
Railroad freight (billion ton-kilometers)	3,338	4,195	5,020	5,958	6,635	6,766	6,797	6,755	NA
Fishing fleet inventory (number)	NA	NA	12,889	18,940	20,408	21,523	21,800	21,926	22,231
(thousand GRT)	NA	NA	7,804	11,339	12,270	12,669	12,923	12,819	13,031
Merchant fleet inventory (number)	17,229	17,825	19,503	22,353	24,155	23,855	24,247	24,467	24,503
(million DWT)	171.6	214.1	325.1	556.4	641.3	638.1	653.0	660.2	647.1
Tanker fleet inventory (number)	3,371	3,533	4,119	5,177	5,342	5,439	5,606	5,647	5,600
(million DWT)	63.7	89.6	152.4	301.7	382.1	379.9	378.8	374.0	352.6

[a] For more detailed descriptions and definitions, refer to the respective table. Unless otherwise indicated, data include China.

[b] Including brown coal at its hard coal equivalent.

[c] Fertilizer year ending 30 June of the stated year.

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Table 2

Economic Profile: Developed Countries, 1983

	United States	Canada	Japan	European Community					
				Total	France	Italy	Nether-lands	United Kingdom	West Germany
Aggregative data									
Population									
Million persons at midyear	234.5	24.9	119.3	**272.1**	54.7	56.8	14.4	56.0	61.5
Percent change	0.9	1.2	0.7	**0.2**	0.5	0.4	0.7	NEGL	−0.2
Gross national product									
Billion 1983 US $ [a]	3,310.5	326.9	1,157.0	**2,300**	514.9	355.1	133.3	449.2	657.7
Percent real growth	3.4	3.0	3.0	**0.8**	0.5	−1.5	1.3	2.5	1.3
Per capita (1983 US $)	14,120	13,130	9,700	**8,450**	9,410	6,250	9,260	8,020	10,690
Industrial production (percent growth)	6.4	5.9	3.5	NA	1.2	−4.8	2.3	2.9	0.4
Industry									
Primary energy (million b/d oil equivalent)	30.8	4.9	1.2	**11.4**	1.5	0.5	1.5	5.0	2.4
Electricity (billion kilowatt-hours)	2,459	405	603	**1,260**	269	183	58	276	367
Crude steel (million metric tons)	75.6	12.7	97.2	**112**	17.6	24.0	4.5	15.0	35.7
Cement (million metric tons)	63.9	7.9	80.4	**135**	25.0	40.2	3.1	13.4	29.6
Trade and international reserves									
Exports, f.o.b. (billion US $)	200.5 [b]	76.7	147.0	**590.0** [c]	94.9	72.7	65.5	91.6	169.4
Imports, c.i.f. (billion US $)	269.9	65.1	126.4	**615.9** [c]	105.4	80.4	62.6	100.2	152.9
Trade balance (billion US $)	−69.3	11.7	20.5	**−25.9** [c]	−10.5	−7.6	2.9	−8.5	16.5
International reserves (billion US $)	32.3	4.2	25.5	**129**	22.9	22.5	11.8	12.0	46.2
Indicators of living standards									
Grain production (kilograms per capita)	890	1,890	120	**460**	840	320	90	380	370
Meat production (kilograms per capita)	107	98	27	**83**	96	59	144	57	82
Automobile registrations (units per thousand persons)	538 [c]	443 [d]	209 [d]	**321** [d]	365 [d]	331 [d]	324 [d]	279 [d]	354 [d]
Energy consumption (barrels oil equivalent per capita) [c]	55	64	21	**25**	25	18	33	26	31
Consumer prices (percent growth in 1983)	3.2	5.8	1.8	NA	9.5	14.9	2.8	4.6	3.0
Telephones in use (units per thousand persons) [e]	791	656	476	**413**	414	318	486	477	434
Life expectancy (years) [f]	73	73	75	NA	74	72	75	71	72

[a] Data were converted from national currencies at average 1983 Par Rate/Market Rate factors.
[b] Excluding Department of Defense shipments.
[c] Data are for 1982.
[d] Data are for 1981.
[e] Data are for 1979.
[f] Latest available data.

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Table 3

Economic Profile: Communist Countries, 1983

	USSR	Eastern Europe							China	Yugoslavia
		Total	Bulgaria	Czechoslovakia	East Germany	Hungary	Poland	Romania		
Aggregative data										
Population										
Million persons at midyear	272.5	**110.9**	8.9	15.4	16.7	10.7	36.6	22.6	1,020.9	22.8
Percent increase	0.9	**0.4**	0.3	0.3	NEGL	0.3	0.9	0.5	1.3	0.4
Gross national product [a]										
Billion 1983 US $	1,843.4	**723.0**	53.8	120.8	154.8	71.8	212.3	109.7	341.7	122.3
Percent real growth	3.0	**1.9**	NEGL	1.7	2.0	−0.5	3.8	1.1	9.0	−1.2
Per capita (1983 US $)	6,765	**6,520**	6,040	7,850	9,270	6,710	5,800	4,850	335	5,365
Industrial production (percent growth)	3.4	**2.8**	2.4	1.4	2.1	0.8	4.7	2.0	7.8	NEGL
Industry										
Primary energy (million b/d oil equivalent)	29.2	**6.5**	0.2	1.0	1.3	0.3	2.5	1.2	9.9	0.6
Electricity (billion kilowatt-hours)	1,416	**445**	43	76	105	26	126	70	351	66
Crude steel (million metric tons)	153.0	**57.4**	2.8	15.0	7.2	3.6	16.2	12.6	39.9	4.2
Cement (million metric tons)	128.0	**61.5**	5.7	10.5	12.0	4.2	16.2	13.0	106.0	9.9
Trade										
Exports (billion US $)	91.6	**96.2**	12.2	17.2	24.2	14.7	16.7	11.0	24.0	9.9
Imports (billion US $)	80.4	**91.0**	12.5	17.1	22.8	13.8	16.0	8.7	18.4	12.2
Trade balance (billion US $)	11.2	**5.2**	−0.3	0.1	1.4	0.9	0.7	2.3	5.6	−2.3
Indicators of living standards										
Grain production (kilograms per capita)	715	**760**	910	720	600	1,260	600	880	380	760
Meat production (kilograms per capita)	59	**92** [b]	95	114	110	166	66	71 [b]	14	62
Automobile registrations (units per thousand persons) [c]	35	**88**	98	158	152	95	73	11	NA	114
Energy consumption (barrels oil equivalent per capita) [b]	32	**28**	28	35	40	20	24	22	3	13
Telephones in use (units per thousand persons)	84 [d]	**115** [e]	120 [e]	201 [d]	183 [d]	111 [d]	91 [d]	59 [e]	NA	85 [d]
Life expectancy (years) [f]	69	NA	71	71	72	70	71	70	63	68

[a] Data were converted at US purchasing power equivalents.
[b] Data are for 1982.
[c] Data are for 1981.
[d] Data are for 1979.
[e] Data are for 1978.
[f] Latest available data.

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Table 4

Economic Profile: Selected Less Developed Countries, 1983

	Africa					Asia			Latin America			Middle East and South Asia				
	Ivory Coast	Kenya	Morocco	Zaire	Zimbabwe	Malaysia	Philippines	Thailand	Chile	Colombia	Peru	Bangladesh	Egypt	India	Pakistan	Syria
Aggregative data																
Population																
Million persons at midyear	9.3	18.6	22.9	31.2	8.1	15.0	54.3	50.7	11.5	28.3	18.6	96.5	45.8	730.6	94.1	9.8
Percent increase	3.2	4.1	2.9	2.9	2.9	2.3	2.4	2.0	1.5	2.1	2.6	3.1	2.7	2.1	2.9	3.4
Gross domestic product																
Billion 1983 US $	10.7	8.1	21.6	5.7	5.4	30.4	43.9	46.5	26.6	36.1	23.2	15.1	36.0	179.0	35.6	14.6
Percent real growth	2.0	3.0	4.0	–1.0	–3.0	6.0	1.5	6.0	NEGL	1.0	–11.0	3.0	5.0	6.5	7.5	6.0
Per capita (1983 US $)	1,150	440	940	180	670	2,030	810	920	2,310	1,280	1,250	160	790	250	380	1,490
Industry																
Per capita manufacturing (US $) [a]	242	55	151	15	131	330	185	129	523	240	231	9	82	38	42	185
Electricity production (billion kilowatt-hours)	1.7	1.8	5.4	4.4 [b]	4.2	11.0	19.0	18.4	12.6	25.6 [c]	9.3 [c]	3.7	18.5 [b]	131.3	19.3	6.2
Agriculture																
Per capita agriculture (US $) [a]	342	107	159	40	72	393	174	180	182	302	88	53	105	76	81	308
Grain production (million metric tons)	0.8	2.6	3.5	1.0	1.2	2.0	11.5	22.4	1.6	3.3	1.5	22.8	8.1	153.7	19.0	2.7
Trade and international reserves																
Exports, f.o.b. (million US $)	2,299 [c]	1,047 [c]	2,006	569 [c]	1,279 [c]	14,130	4,890	6,368	3,836	3,001	3,015	725	3,120 [c]	8,512	3,077	2,026 [c]
Imports, c.i.f. (million US $)	2,180 [c]	1,745 [c]	3,592	480 [c]	1,643 [c]	13,207	7,959	10,232	2,754	4,963	2,510	2,162	9,078 [c]	13,323	5,329	4,015 [c]
International reserves (million US $) [d]	5	379	132	296	97	3,869	797	1,698	2,102	2,056	2,075	526	890	5,894	2,041	231
Living standard indicators																
Literacy rate (percent) [e]	25	50	25	17	74	58	76	82	90	75	74	26	43	36	31	47
Life expectancy (years) [e]	44	53	51	40	52	60	61	61	62	59	55	48	54	50	48	62

[a] Value added, 1980.
[b] Data are for 1980.
[c] Data are for 1982.
[d] Including gold valued at SDR 35 per ounce.
[e] Latest year available.

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Table 5

Economic Profile: Organization of Petroleum Exporting Countries, 1983

	Algeria	Ecuador	Gabon	Indonesia	Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	United Arab Emirates	Venezuela
Aggregative data													
Population													
Million persons at midyear	20.7	8.4	0.9	165.8	42.5	14.5	1.7	3.5	85.2	0.3	10.4	1.2	16.8
Percent increase	3.1	3.1	4.6	2.2	3.1	3.3	6.2	5.0	3.4	3.4	3.4	10.7	3.1
Gross national product													
Billion 1983 US $	47.3	12.1	5.8	99.4	76.1	25.9	25.1	19.6	59.1	7.6	128.3	27.9	72.4
Percent real growth	7.0	−3.0	5.0	2.0	5.0	−8.0	2.0	6.0	−1.0	1.0	−7.0	4.0	−4.0
Per capita (1983 US $)	2,290	1,440	6,445	600	1,790	1,790	14,765	5,600	690	27,000	12,340	23,250	4,310
Industry													
Crude oil production (thousand b/d)	699	236	157	1,385	2,492	922	1,076 [a]	1,076	1,241	295	5,062 [a]	1,119	1,790
Share of oil in GNP (percent)	26 [b]	10	50	19	40 [c]	35 [c]	60	60	30	63	50	50	22
Trade and international reserves													
Exports f.o.b. (million US $)	14,134 [c]	2,203	2,161 [d]	21,146	19,498	9,785	12,407	11,392	11,598	3,381	46,978	13,950	15,002
Government oil revenues (million US $)	9,000	610	1,700	10,400	19,200	7,500	10,800	9,760	10,150	4,000	36,000	7,220	13,860
Oil exports (thousand b/d)	550	105	155	910	1,920	675	905	960	1,025	400	4,200	1,001	1,355
Imports c.i.f. (million US $)	10,340	1,465	722	16,423	18,256	12,040	8,278	7,370	8,512	1,456	40,653 [d]	8,932	8,422
United States (million US $)	594 [c]	571	64	1,460	190	512	741	191	886	109	7,903	864	2,812
European Community (million US $)	5,340 [c]	308	NA	2,000	6,117	4,197	2,518	4,902	4,027	691	12,337	2,668	1,186
Japan (million US $)	621 [c]	92	43	3,550	2,820	632	1,763	363	568	233	6,683	1,357	350
International reserves (million US $) [f]	2,084	660	187	3,832	15,389 [d]	NA	5,285	5,350	1,016	386	27,455	2,102	8,036
Living standard indicators													
Literacy rate (percent) [g]	42	76	12	72	50	24	64	50	38	34	35	68	82
Life expectancy (years) [h]	55	61	35	46	58	53	68	53	41	NA	45	NA	67

[a] Including about one-half of Neutral Zone production.
[b] Including natural gas liquids.
[c] Data are for 1981.
[d] Data are for 1982.
[e] Data are f.o.b.
[f] Including gold valued at SDR 35 per ounce.
[g] Data are for 1977.
[h] Latest available data.

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Table 6

Economic Profile: Selected Newly Industrializing Countries, 1983

	Argentina [a]	Brazil	China (Taiwan)	Hong Kong	Mexico	Singapore	South Korea
Aggregative data							
Population							
Million persons at midyear	29.7	131.3	18.8	5.3	75.7	2.5	41.4
Percent increase	1.6	2.3	1.7	1.5	2.6	1.2	1.7
Gross domestic product							
Billion 1983 US $	106.7	296.8	53.9	30.2	251.1	15.4	80.5
Percent real growth	2.0	−4.0	6.0	6.0	−5.0	7.9	9.1
Per capita (1983 US $)	3,590	2,260	2,870	5,700	3,320	6,160	1,940
Industry							
Per capita manufacturing (US $) [b]	1,593	455	992	1,074	582	1,362	334
Electricity production (billion kilowatt-hours)	38.8	142.4 [c]	45.5	14.4	80.4	8.6	48.6
Agriculture							
Per capita agriculture (US $) [b]	380	223	165	42	197	61	220
Grain production (million metric tons)	29.9	29.3	2.6	NEGL	25.3	NEGL	8.6
Trade and international reserves							
Exports, f.o.b. (million US $)	7,625 [c]	21,899	25,094	21,954	21,119	21,833	24,445
Imports, c.i.f. (million US $)	5,337 [c]	16,801	19,077	24,013	8,207	28,158	26,192
International reserves (million US $) [d]	1,333	4,375	11,860	NA	3,997	9,264	2,358
Living standard indicators							
Literacy rate (percent) [e]	93	75	90	90	83	84	93
Life expectancy at birth (years) [e]	68	60	72	71	65	68	66

[a] Argentina is included because its economy closely resembles the NIC economies.
[b] Value added, 1980.
[c] Data are for 1982.
[d] Including gold valued at SDR 35 per ounce.
[e] Latest available data.

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Table 7

Production of Selected Consumer Goods in the US and USSR

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Food									
Grain production [a] (kilograms per capita)									
United States [b]	1,003	944	910	1,154	1,345	1,184	1,450	1,456	889
USSR [c]	586	524	769	551	681	712	598	667	716
Meat production [d] (kilograms per capita)									
United States	71	74	110	106	104	106	107	104	107
USSR	41	43	51	59	58	57	57	57	59
Persons supplied per farmworker									
United States	32	43	57	62	64	65	65	65	66
USSR	5	6	6	7	8	8	8	9	9
Transportation									
Passenger automobile production (units per hundred persons)									
United States [e]	3.69	4.79	3.19	3.11	3.74	2.81	2.71	2.17	2.87
USSR	0.06	0.09	0.14	0.47	0.50	0.50	0.49	0.48	0.48
Household equipment									
Washing machine production (units per thousand persons)									
United States [e]	18	22	20	20	22	20	19	17	20
USSR	4	15	22	13	14	14	15	15	15
Washing machines in use [f] (units per thousand persons)									
United States [g]	158	170	194	238	273	269	266	262	260
USSR	13	59	141	189	205	205	205	205	205
Refrigerator production (units per thousand persons)									
United States [e]	19	25	26	21	25	23	22	19	23
USSR	2	7	17	22	23	22	22	21	21
Refrigerators in use [f] (units per thousand persons)									
United States [g]	281	295	336	340	352	352	352	349	NA
USSR	10	29	89	178	240	252	262	268	NA

[a] The data do not necessarily represent food available for consumption, because imports of foreign grain and exports of domestically produced grain are not included.
[b] Excluding corn silage and forage but including sorghum for grain.
[c] Including miscellaneous grains and pulses. Measured in bunker weight, that is, gross output from the combine, which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.
[d] Data are on a carcass weight, bone-in basis.
[e] Data are for factory sales and include complete units exported for assembly.
[f] As of the end of the year.
[g] Data are understated because they are based on the number of households with one or more units; thus, a household with more than one is counted as having only one.

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Table 8

Commodity Production of the US and the USSR [a]

Commodity	1960	1965	1970	1975	1979	1980	1981	1982	1983
Primary energy (million b/d of oil equivalent)									
US	21.1	24.9	30.8	30.2	32.2	32.6	32.4	32.2	30.8
USSR	9.2	13.2	17.1	21.9	26.3	27.0	27.7	28.5	29.2
Crude oil (thousand b/d)									
US	7,055	7,804	9,648	8,375	8,550	8,597	8,572	8,658	8,680
USSR	2,943	4,835	6,976	9,570	11,405	11,700	11,800	11,830	11,864
Natural gas (trillion cubic feet)									
US	12.8	16.0	21.9	20.1	20.5	20.2	20.0	18.5	16.6
USSR	1.6	4.5	7.0	10.2	14.4	15.4	16.4	17.7	18.9
Hard coal (million metric tons)									
US	391.5	475.3	550.4	576.2	670.6	710.4	700.8	712.4	658.9
USSR	355.9	397.6	432.7	485.0	497.0	493.0	481.0	488.0	486.0
Brown coal and lignite (million metric tons)									
US	2.5	4.6	7.2	17.7	38.0	42.3	46.5	47.9	53.1
USSR	134.2	147.4	144.7	160.0	161.0	160.0	157.0	159.0	159.0
Electricity (billion kilowatt-hours)									
US	893.7	1,229.6	1,742.7	2,131.1	2,472.1	2,437.8	2,448.0	2,386.7	2,459.2
USSR	292.3	506.7	740.9	1,038.6	1,238.2	1,293.9	1,326.0	1,367.1	1,416.4
Iron ore (million metric tons)									
US	90.2	88.8	91.2	80.1	87.1	70.7	74.3	36.0	38.6
USSR	105.9	153.4	197.1	234.7	241.7	244.7	242.4	244.4	245.0
Bauxite (thousand metric tons)									
US	2,030	1,680	2,125	1,800	1,821	1,559	1,510	732	662
USSR	3,100	5,300	6,700	8,000	9,000	9,100	9,100	9,000	8,900
Pig iron (million metric tons)									
US	62.2	82.6	82.8	72.3	78.9	62.3	66.9	39.3	44.2
USSR	46.8	66.2	85.9	103.0	109.0	107.3	107.8	106.7	110.0
Crude steel (million metric tons)									
US	90.1	119.3	119.3	105.8	123.7	101.5	109.6	67.7	75.6
USSR	65.3	91.0	115.9	141.3	149.0	147.9	148.4	147.2	153.0
Refined copper (thousand metric tons)									
US	1,650	1,973	2,074	1,632	2,014	1,726	2,038	1,695	1,613
USSR	475	700	1,015	1,320	1,450	1,470	1,490	1,510	1,540

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Table 8 (continued)

Commodity Production of the US and the USSR [a]

Commodity	1960	1965	1970	1975	1979	1980	1981	1982	1983
Primary aluminum (thousand metric tons)									
US	1,827	2,498	3,607	3,519	4,557	4,654	4,489	3,274	3,353
USSR	565	990	1,640	2,345	2,630	2,705	2,720	2,745	2,795
Lead (thousand metric tons)									
US	347	379	605	577	578	550	497	513	515
USSR	300	385	470	540	560	560	560	560	565
Refined zinc (thousand metric tons)									
US	788	978	866	450	526	370	397	302	302
USSR	360	475	690	820	820	820	820	820	825
Gold (million troy ounces)									
US	1.7	1.7	1.7	1.0	1.0	1.0	1.4	1.4	1.6
USSR	3.6	5.3	7.0	8.3	9.9	10.2	10.5	10.6	10.7
Synthetic ammonia (million metric tons of N)									
US	3.6	6.6	10.3	12.2	13.8	14.7	14.2	11.6	10.0
USSR	1.1	3.1	6.3	9.9	12.3	13.8	14.7	14.6	16.8
Mineral fertilizer (million metric tons, nutrient content)									
US [b]	7.4	10.6	14.8	17.1	20.9	22.5	23.4	19.2	18.0
USSR	3.3	7.4	13.1	22.0	22.1	24.8	26.0	26.7	29.7
Nitrogen fertilizer (million metric tons of N)									
US [b]	2.5	5.1	7.6	8.5	10.1	11.2	11.8	10.5	8.7
USSR	1.0	2.7	5.4	8.5	9.2	10.2	10.7	11.6	13.0
Plastics (million metric tons)									
US	2.8	5.3	9.7	10.2	13.9	12.8	13.5	12.9	14.0
USSR	0.3	0.8	1.7	2.8	3.5	3.6	4.1	4.1	4.4
Synthetic rubber (million metric tons)									
US	1.5	1.8	2.2	2.0	2.7	2.2	2.2	1.8	2.0
USSR	0.3	0.6	0.9	1.4	1.9	1.9	1.9	1.8	1.8
Tractors (thousands)									
US	178.5	271.8	191.7	232.0	222.4	155.4	149.8	80.8	91.6
USSR	238.5	354.5	458.5	550.4	557.0	555.0	559.0	555.0	564.0
Automobiles (millions)									
US	6.7	9.3	6.5	6.7	8.4	6.4	6.2	5.0	6.7
USSR	0.1	0.2	0.3	1.2	1.3	1.3	1.3	1.3	1.3

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Table 8 (continued)

Commodity Production of the US and the USSR [a]

Commodity	1960	1965	1970	1975	1979	1980	1981	1982	1983
Trucks and buses (millions)									
US	1.2	1.8	1.7	2.3	3.0	1.7	1.9	2.4	3.7
USSR	0.4	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.9
Cement (million metric tons)									
US	56.1	65.1	67.4	61.8	76.6	68.2	65.0	57.5	63.9
USSR	45.5	72.4	95.2	122.1	123.0	125.0	127.2	123.7	128.0
Grain (million metric tons)									
US	181.3	183.5	186.7	249.2	302.8	269.7	333.4	338.1	208.5
USSR	125.6	121.1	186.8	140.1	179.3	189.1	160.0	180.0	195.0
Wheat (million metric tons)									
US	36.9	35.8	36.8	57.9	58.1	64.6	76.2	76.5	66.0
USSR	64.3	59.7	99.7	66.2	90.3	98.2	80.0	86.0	78.0
Coarse grain (million metric tons)									
US	141.9	144.2	146.1	185.5	238.8	198.4	249.0	254.6	138.0
USSR	61.1	60.8	85.8	71.9	86.6	88.3	72.0	86.0	105.0
Potatoes (million metric tons)									
US	11.7	13.1	14.8	14.6	15.5	13.7	15.4	16.0	14.8
USSR	84.4	88.7	96.8	88.7	91.0	67.0	72.1	78.2	83.0
Sugar (million metric tons)									
US	3.6	4.9	5.3	6.0	5.4	5.3	5.8	5.4	5.2
USSR	6.9	12.0	11.1	11.3	11.6	11.0	10.3	13.2	13.6
Meat (million metric tons)									
US	12.8	14.3	22.5	23.0	23.5	24.2	24.7	24.1	25.0
USSR	8.7	10.0	12.3	15.0	15.3	15.1	15.2	15.4	16.0
Milk (million metric tons)									
US	53.7	56.3	53.3	52.3	56.0	58.3	60.3	61.6	63.5
USSR	61.7	72.6	83.0	90.8	93.2	90.9	88.9	91.0	96.4
Ginned cotton (thousand metric tons)									
US	3,107	3,260	2,219	1,808	3,185	2,422	3,405	2,605	1,682
USSR	1,458	1,914	2,343	2,524	2,858	3,038	2,891	2,744	2,700

[a] For more detailed definitions, exceptions, and methodology refer to the commodity tables.
[b] Fertilizer year ending 30 June of the stated year.

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Table 9

Billion 1983 US $

Estimated Real Gross National Product at Market Prices [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
World	**5,350**	**6,850**	**8,800**	**10,700**	**12,500**	**12,700**	**13,000**	**13,000**	**13,300**
Developed countries	**3,460**	**4,470**	**5,580**	**6,490**	**7,590**	**7,680**	**7,830**	**7,790**	**7,970**
United States	1,589.7	2,003.8	2,340.9	2,655.7	3,190.0	3,180.4	3,264.2	3,202.9	3,310.5
Australia	64.6	82.0	108.0	130.2	145.3	147.6	153.6	152.4	150.5
Canada	127.5	168.2	212.3	270.6	315.4	318.5	331.2	317.3	326.9
Japan	236.4	381.4	649.5	814.7	997.1	1,046.4	1,088.6	1,123.3	1,157.0
Spain	52.6	79.0	106.8	139.7	151.6	154.0	154.3	156.2	159.4
Sweden	46.9	60.3	74.3	84.4	88.7	90.2	89.7	90.1	91.6
Switzerland	54.5	70.4	86.5	90.1	93.6	97.9	99.3	98.1	98.2
European Community	**1,100**	**1,380**	**1,720**	**1,960**	**2,260**	**2,280**	**2,280**	**2,290**	**2,300**
Belgium	37.1	47.4	60.1	70.4	79.0	81.5	80.6	81.5	81.5
France	204.8	271.0	352.0	428.2	497.6	503.0	504.4	512.4	514.9
Italy	152.4	196.3	265.5	299.1	347.6	361.2	361.7	360.4	355.1
Netherlands	61.2	77.4	101.2	118.2	133.7	134.8	133.7	131.6	133.3
United Kingdom	275.0	321.6	363.2	401.9	445.5	433.8	428.3	438.3	449.2
West Germany	318.3	405.8	497.9	552.5	645.0	656.9	656.3	649.5	657.7
Less developed countries	**620**	**840**	**1,160**	**1,630**	**2,030**	**2,130**	**2,160**	**2,180**	**2,190**
Argentina	60.3	74.9	93.0	107.7	117.3	118.1	111.1	104.6	106.7
Brazil	64.1	95.2	137.8	230.6	296.8	320.2	309.2	309.2	296.8
China (Taiwan)	8.1	12.3	19.3	28.3	43.7	46.6	49.2	50.9	53.9
Egypt	10.3	13.6	15.2	19.8	27.5	30.0	32.4	34.3	36.0
India	80.3	92.2	117.0	133.2	147.2	159.0	167.2	168.1	179.0
Mexico	66.7	94.1	131.6	175.8	223.4	242.0	261.7	264.3	251.1
Pakistan	17.1	23.0	19.1	21.8	27.7	29.5	31.2	33.1	35.6
South Korea	13.2	18.1	29.6	47.0	69.9	65.5	69.8	73.8	80.5
OPEC	**146**	**204**	**296**	**457**	**571**	**581**	**574**	**571**	**565**
Iran	57.7	79.7	137.9	225.3	152.2	101.9	74.4	72.5	76.1
Nigeria	26.8	34.5	36.1	52.6	66.2	68.7	67.1	59.7	59.1
Saudi Arabia	15.6	25.1	41.7	76.0	109.4	121.4	131.2	138.0	128.3
Venezuela	27.9	39.8	50.5	64.2	77.3	77.1	77.0	75.4	72.4

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Table 9 (continued)

Billion 1983 US $

Estimated Real Gross National Product at Market Prices [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Communist countries	**1,270**	**1,540**	**2,050**	**2,570**	**2,890**	**2,940**	**2,970**	**3,030**	**3,130**
USSR and Eastern Europe	**1,110**	**1,330**	**1,760**	**2,180**	**2,410**	**2,430**	**2,460**	**2,500**	**2,570**
USSR [b]	758.6	904.9	1,246.5	1,536.8	1,700.4	1,720.3	1,752.1	1,787.0	1,843.4
Eastern Europe [c]	**350**	**424**	**511**	**648**	**714**	**711**	**704**	**710**	**723**
Bulgaria	21.9	30.0	38.4	48.3	52.2	50.6	52.1	53.8	53.8
Czechoslovakia	67.5	75.9	89.9	106.0	115.3	117.8	117.1	118.8	120.8
East Germany	82.8	95.8	111.8	132.5	145.6	148.7	151.8	151.8	154.8
Hungary	38.8	47.1	54.7	64.3	70.4	71.1	71.1	72.1	71.8
Poland	101.1	125.9	153.2	209.8	222.8	217.4	205.8	204.6	212.3
Romania	38.1	49.4	62.8	86.9	107.3	105.5	106.0	108.5	109.7
Other									
China	NA	108.3	161.7	212.2	269.3	283.3	291.9	313.5	341.7
North Korea	4.6	7.3	9.6	15.8	17.0	17.7	18.1	18.1	18.1
Yugoslavia [d]	36.3	50.6	68.7	92.2	118.5	121.2	122.9	123.8	122.3

[a] Data for the non-Communist countries were converted from national currencies by using the 1983 Par Rate/Market Rate factors.

[b] The estimate of Soviet GNP presented here is expressed in "geometric mean dollars," which are derived by applying an average of the US- and Soviet-weighted purchasing power parity ratios to an estimate of Soviet GNP in rubles. As a result, geometric mean dollars are neither dollars nor rubles, but a mix of the two. They approximate an estimate falling midway between a comparison of the Soviet Union and the United States in dollars and one in rubles. The purchasing power parity ratios used in this estimate are based on a study in 1976 dollar prices. The US GNP implicit price deflator rebased to 1983 was used to convert Soviet GNP in 1976 dollars to 1983 dollars.

[c] GNP estimates for Hungary, Poland, and Romania are based on benchmark figures for 1975 in 1975 dollars in Kravis, Heston, and Summers, *World Product and Income: International Comparisons of Real Gross Product*, Baltimore: Johns Hopkins University Press, 1982. GNP indices in constant domestic currencies derived from official data were combined with the 1975 benchmarks to yield time series in 1975 dollars. The US GNP deflator was then applied to the series to convert 1975 dollars into 1983 dollars. For Bulgaria, Czechoslovakia, and East Germany, 1970 benchmarks were shifted to 1975 in proportion to the geometric mean of the benchmark shifts for Hungary, Poland, and Romaina. The 1970 benchmarks were taken from *UN Economic Bulletin for Europe*, Vol. 31, No. 2, 1980.

[d] For Yugoslovia, the 1970 benchmark from *UN Economic Bulletin for Europe*, Vol. 31, No. 2, 1980, was shifted to 1975 in proportion to the geometric mean of the benchmark shifts for Hungary, Poland, and Romania. Official Yugoslav growth rates for gross social product were then applied to this 1975 benchmark.

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Table 10

Index: 1970=100

Gross National Product Price Deflators

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States	75.1	81.3	100.0	137.6	178.7	195.3	213.8	226.6	236.1
Canada	74.4	81.6	100.0	150.9	207.8	230.8	254.2	279.8	296.2
Japan	61.1	79.4	100.0	159.5	192.5	198.1	203.2	206.9	207.5
European Community	66.4	81.2	100.0	157.7	230.0	260.3	289.6	321.1	348.2
France [a]	67.5	81.0	100.0	152.7	220.6	246.6	275.4	309.8	339.7
Italy [a]	64.1	84.2	100.0	177.0	326.9	396.1	465.8	547.1	630.0
Netherlands	62.2	77.3	100.0	156.3	198.2	208.3	219.7	232.1	238.6
United Kingdom [a]	66.2	78.6	100.0	184.2	307.2	366.4	410.7	440.0	463.3
West Germany	70.7	84.7	100.0	137.5	159.3	166.4	173.3	181.5	187.7

[a] Gross domestic product deflators.

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Table 11

Gross Domestic Product in Purchasing Power and Exchange Rate Equivalents, 1983

	Purchasing Power Equivalents [a] (Kravis)	Purchasing Power Equivalents [b] (Gilbert)	Average 1983 Par Rate/ Market Rate	Average 1982 Exchange Rate	Average 1973 Exchange Rate	February 1973 Exchange Rate	May 1972 Exchange Rate	April 1971 Exchange Rate
	Gross Domestic Product, 1983 (Billion US $)							
OECD								
Belgium	108.8	108.0	81.5	91.2	106.9	103.3	93.0	83.4
Denmark	60.8	51.7	56.0	61.5	84.7	81.6	73.4	68.3
France	640.6	600.6	514.9	597.1	881.3	853.1	767.1	706.5
Italy	444.1	375.1	355.1	398.8	925.1	951.9	927.5	862.9
Japan	1,339.4	1,065.3	1,157.0	1,103.4	1,009.6	1,017.8	892.2	763.4
Netherlands	149.1	121.3	133.3	142.5	136.1	130.3	117.3	105.1
United Kingdom	498.1	457.7	449.2	518.4	726.1	737.3	771.6	710.7
West Germany	748.2	597.6	657.7	692.0	628.5	579.1	521.1	458.8
	Gross Domestic Product Per Capita, 1983 (United States=100)							
OECD								
Belgium	74	85	59	65	77	74	67	60
Denmark	79	79	78	85	117	113	102	95
France	78	86	67	77	114	111	99	92
Italy	52	51	44	50	115	119	116	108
Japan	75	70	69	66	60	60	53	45
Netherlands	69	66	66	70	67	64	58	52
United Kingdom	59	64	57	66	92	93	98	90
West Germany	81	76	76	80	72	67	60	53

[a] For the individual OECD countries, the ratios for converting GNP in national currencies at 1983 prices into 1983 US dollars on the basis of purchasing power equivalents are derived from the 1975 ratios in *World Product and Income: International Comparisons of Real GDP*, published for the World Bank by the Johns Hopkins University Press, Baltimore and London, 1981, using the geometric mean of foreign and US weighted ratios. These 1975 GDP parities were moved to 1983 by applying the following factor: the derived price index for each OECD country for 1976-83 divided by a derived price index for the United States for 1976-83. These price indexes were derived for each country by dividing the growth of GDP in current prices by the growth of GDP in constant prices. The ratios thus obtained were applied to the GDP values, given in the national currencies in 1983 prices.

[b] For the individual European OECD countries, the ratios for converting GDP in national currencies at 1983 prices into 1983 US dollars on the basis of US purchasing power equivalents are derived from the 1950 ratios in Milton Gilbert and Associates, *Comparative National Products and Price Levels*, OEEC, Paris, 1958, using the geometric mean of European and US weighted ratios. These 1950 ratios were moved to 1983 by applying the following factor: the derived price index for each European country for 1951-83 divided by a derived price index for the United States for 1951-83. The ratios thus obtained were applied to the GDP values, given in the national currencies in 1983 prices.

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Table 12

Gross National Product, by End Use, in the US and the USSR, 1983

	Billion 1970 Rubles			Billion 1976 US $			Geometric Mean of the Comparisons in Dollars and Rubles [a]
	USSR [b]	US	USSR as a Percent of US	USSR	US	USSR as a Percent of US	USSR as a Percent of US
GNP	544.3	1,196.3	45.5	1,357.3	2,031.1	66.8	55.1
of which:							
Consumption	293.5	908.9	32.3	668.6	1,387.6	48.2	39.5
New fixed investment	165.7	170.7	97.1	452.7	352.0	128.6	111.7

[a] A generally preferred procedure for making international economic comparisons is to convert each country's GNP to the currency of the other. Two comparisons can then be made, one in rubles and one in dollars, and, in contrast to the Table in last year's *Handbook*, both are presented above. The two comparisons will yield different answers. This phenomenon is commonly known as the "index number problem," and it results from differences in the relative price and quantity structures found in each country. Goods produced in relatively large quantities in either country tend to sell at relatively low prices in that country, and vice versa. Soviet GNP is, therefore, a larger share of US GNP when comparisons are made in dollars since dollars place a greater weight than ruble prices do on investment and defense goods, which account for larger shares of output in the Soviet Union than in the United States.

The important point about index numbers is that valuations in either rubles or dollars are equally correct. When a single estimate is required, economists by convention often resort to the geometric mean of the two as a reasonable point estimate that falls between the ruble and dollar comparisons.

The geometric mean comparison is presented here, although the reader is cautioned that it is used for its presentational convenience and does not, strictly speaking, represent a more valid result than that presented in either currency.

The estimate of Soviet GNP in dollars presented here is not consistent with that given in Table 9, which is expressed in "geometric mean dollars" for consistency with the other data in that table. The approach used in this table, however, is theoretically preferable.

[b] The above Soviet GNP data in established prices should not be used in conjunction with Soviet foreign trade data appearing in Tables 64-66. These latter tables use official foreign exchange rates to derive dollar values for trade; we have yet to estimate the value of Soviet foreign trade in terms of actual purchasing power, which would allow for an estimate of the share of foreign trade in Soviet national income.

The magnitudes for the Soviet end-use components were calculated to measure value of output compared with the United States but not the cost in resources. The share of total economic resources devoted to a particular end use (such as defense) or the share of total output originating in an individual sector (for example, agriculture or industry) in the USSR should be measured in internal ruble prices and costs.

The identified end uses of GNP are defined as follows: (1) Consumption includes personal expenditures for goods and services for all purposes and noninvestment outlays by government for goods and services for health and education. (2) New fixed investment is defined as the sum of expenditures for gross private domestic investment net of inventories; for public construction other than that for military facilities; and for equipment purchased by the government except that for defense. Since part of new fixed investment in the United States is capital repair, one-half of Soviet expenditures on capital repair is included in Soviet new fixed investment.

Other uses of GNP include defense, space, research and development, inventory change, administration, net exports, and a statistical discrepancy. The total value for these expenditures cannot be derived for the USSR by subtraction, however.

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Table 13

Percent

Real Gross National Product Growth

	Average Annual Rate of Growth								
	1961-65	1966-70	1971-75	1976-78	1979	1980	1981	1982	1983
OECD	5.2	4.6	3.1	4.3	3.1	1.2	2.0	−0.5	2.4
United States	4.7	3.2	2.6	5.3	2.8	−0.3	2.6	−1.9	3.4
Australia	4.9	5.7	3.8	2.3	4.3	1.6	4.1	−0.8	−1.2
Canada	5.7	4.8	5.0	4.1	3.4	1.0	4.0	−4.2	3.0
Japan	10.0	11.2	4.6	5.2	5.1	4.9	4.0	3.2	3.0
Spain	8.5	6.2	5.5	2.7	0.2	1.5	0.2	1.2	2.0
Sweden	5.2	4.3	2.6	0.4	3.8	1.7	−0.5	0.4	1.7
Switzerland	5.2	4.2	0.8	0.4	2.5	4.6	1.5	−1.2	0.1
European Community	**4.7**	**4.5**	**2.7**	**3.6**	**3.5**	**1.1**	**−0.3**	**0.5**	**0.8**
Belgium	5.0	4.8	3.2	3.1	2.5	3.2	−1.1	1.1	NEGL
France	5.8	5.4	4.0	4.0	3.3	1.1	0.3	1.6	0.5
Italy	5.2	6.2	2.4	3.5	4.9	3.9	0.1	−0.3	−1.5
Netherlands	4.8	5.5	3.2	3.4	2.4	0.9	−0.8	−1.6	1.3
United Kingdom	3.2	2.5	2.0	2.8	2.0	−2.6	−1.3	2.3	2.5
West Germany	5.0	4.2	2.1	3.9	4.2	1.8	−0.1	−1.0	1.3
Less developed countries	6.3	6.7	7.0	5.8	5.2	4.9	1.4	0.9	0.5
OPEC	6.9	7.7	9.1	6.3	4.0	1.8	−1.2	0.5	−1.1
Communist countries									
USSR and Eastern Europe									
USSR [a]	5.1	5.3	3.7	3.8	0.2	1.7	2.1	2.6	3.0
Eastern Europe	**3.9**	**3.8**	**4.9**	**2.9**	**1.0**	**−0.3**	**−1.0**	**−0.8**	**1.9**
Bulgaria	6.4	5.1	4.7	1.4	3.8	−3.0	3.0	3.1	NEGL
Czechoslovakia	2.4	3.4	3.4	2.5	0.9	2.1	−0.5	1.4	1.7
East Germany	2.9	3.1	3.5	2.2	2.8	2.2	2.0	NEGL	2.0
Hungary	3.9	3.0	3.3	3.0	0.3	1.0	−0.1	1.5	−0.5
Poland	4.5	4.0	6.5	2.6	−1.8	−2.4	−5.3	−0.6	3.8
Romania	5.4	4.9	6.7	6.0	3.7	−1.6	0.5	2.3	1.1
Other									
China	NA	8.3	5.6	10.0	7.0	5.2	3.0	7.4	9.0
North Korea	9.7	5.8	10.4	−1.6	3.8	3.7	2.5	NEGL	NEGL
Yugoslavia	6.9	6.3	6.1	6.3	7.0	2.3	1.4	0.7	−1.2

[a] At factor cost.

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Table 14

Percent

Real Gross National Product Per Capita Growth

	Average Annual Rate of Growth								
	1961-65	1966-70	1971-75	1976-78	1979	1980	1981	1982	1983
OECD									
United States	3.2	2.1	1.5	4.3	1.7	−1.5	1.6	−2.8	2.4
Australia	2.8	3.5	2.1	1.1	3.0	0.3	2.5	−2.3	−2.5
Canada	3.7	3.1	3.6	2.8	2.4	−0.2	2.8	−5.2	2.0
Japan	8.9	10.0	3.2	4.2	4.3	4.1	3.3	2.5	2.3
Sweden	4.5	3.4	2.2	0.1	3.6	1.5	−0.7	0.3	1.7
Switzerland	3.1	3.1	0.4	0.8	2.3	4.1	0.8	−1.5	−0.2
European Community	**3.8**	**3.8**	**2.2**	**3.4**	**3.2**	**0.7**	**−0.5**	**0.3**	**0.6**
Belgium	4.3	4.4	2.9	2.9	2.5	3.1	−1.2	1.1	−0.1
France	6.6	4.5	3.2	3.6	2.9	0.6	−0.2	1.1	0.1
Italy	4.5	5.6	1.7	4.7	−0.2	3.8	NEGL	−0.5	−1.9
Netherlands	3.4	3.3	3.2	2.7	1.7	NEGL	−1.5	−2.0	0.8
United Kingdom	2.5	2.0	1.9	2.9	1.9	−2.7	−1.3	2.4	2.5
West Germany	3.8	3.4	1.7	4.2	4.1	1.5	−0.2	−1.0	1.3
Communist countries									
USSR and Eastern Europe									
USSR	3.5	4.2	2.7	2.8	−0.7	0.9	1.3	1.7	2.1
Eastern Europe	**3.2**	**3.2**	**4.2**	**2.3**	**0.5**	**−0.9**	**−1.5**	**0.3**	**1.5**
Bulgaria	5.6	4.4	4.1	1.0	3.7	−3.4	2.6	2.8	−0.2
Czechoslovakia	1.7	3.2	2.7	1.8	1.0	1.6	−0.6	1.1	1.4
East Germany	3.0	3.1	3.7	2.4	2.9	2.2	2.1	0.2	2.2
Hungary	3.6	2.7	2.9	2.5	NEGL	0.9	−0.1	1.6	−0.4
Poland	3.2	3.3	5.5	1.7	−2.4	−3.3	−6.2	−1.5	2.8
Romania	4.7	3.6	5.7	5.0	2.8	−2.3	−0.2	1.7	0.7
Other									
China	NA	5.5	3.3	8.6	5.8	4.0	1.6	5.8	7.3
North Korea	6.6	2.6	7.1	−4.6	0.5	0.3	−0.3	−3.5	−3.5
Yugoslavia	5.6	5.4	5.1	5.3	6.1	1.7	0.7	NEGL	−1.9

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Table 15

Percent Change

Economic Indicators for Selected Non-OPEC Less Developed Countries

	1973	1975	1976	1978	1979	1980	1981	1982	1983
Industrial production									
China (Taiwan)	20.5	5.4	24.3	25.0	8.1	7.6	4.2	−0.8	12.4
India	1.6	4.7	9.8	6.9	1.2	0.7	9.1	4.7	4.1
Mexico	10.1	4.7	5.1	10.9	11.2	9.8	8.8	−2.0	−8.2
South Korea	33.5	18.9	29.7	22.9	11.7	−1.8	12.8	4.4	16.7
Consumer price inflation									
Brazil	12.7	28.9	42.0	38.7	52.7	95.3	91.2	97.9	179.0
China (Taiwan)	8.2	5.2	2.5	5.8	9.8	19.0	16.3	4.0	1.4
India	17.8	5.6	−7.8	2.5	6.4	11.4	13.0	7.9	11.9
Mexico	12.0	15.2	15.8	17.5	18.2	26.3	28.0	58.9	101.9
South Korea	3.2	25.3	15.3	14.4	18.3	28.7	21.3	7.3	3.4
Wholesale price inflation									
Brazil	15.3	27.8	40.4	37.6	55.9	106.5	108.2	92.0	168.2
China (Taiwan)	22.9	−5.1	2.8	3.5	13.8	21.5	7.6	−0.7	−1.4
India	16.4	4.0	−2.0	−0.3	11.4	20.3	12.2	2.5	7.7
Mexico	16.0	10.4	22.4	15.7	18.3	24.4	24.5	56.1	107.3
South Korea	6.9	26.1	12.1	11.7	18.8	38.9	20.4	4.7	0.2
Money supply									
Brazil	41.8	33.6	40.3	42.2	73.6	70.0	74.7	69.7	92.0
China (Taiwan)	49.3	26.9	23.0	37.0	7.7	22.7	13.8	15.6	18.1
India	16.5	8.1	15.5	20.4	20.8	12.3	15.7	7.7	16.5
Mexico	24.2	21.3	30.9	33.0	33.1	33.1	32.8	61.9	42.1
South Korea	51.4	26.1	30.8	28.2	20.7	16.3	4.7	45.6	17.0

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Table 16

Percent

Economic Indicators for Selected Industrial Countries [a]

	Average Annual Rate of Growth							
	1961-70	1971-75	1976-78	1979	1980	1981	1982	1983
Industrial production								
United States	5.0	1.8	7.4	4.4	−3.6	2.6	−8.1	6.4
Canada	6.2	4.0	4.0	6.2	−1.5	0.9	−10.7	5.9
Japan	13.6	1.5	7.1	7.1	4.6	1.0	0.4	3.5
France	5.8	3.0	3.7	5.2	−1.2	−2.6	−1.5	1.2
Italy	7.0	1.6	5.0	6.6	5.6	−2.4	−2.2	−4.8
United Kingdom	2.8	0.6	3.8	3.8	−6.6	−3.9	2.0	2.9
West Germany	5.8	0.9	4.0	4.8	0.3	−2.3	−3.2	0.4
Consumer prices								
United States	2.7	6.7	6.6	11.3	13.6	10.3	6.2	3.2
Canada	2.7	7.3	8.1	9.1	10.2	12.5	10.8	5.8
Japan	5.7	11.5	7.0	3.6	8.0	4.9	2.6	1.8
France	4.1	8.8	9.3	10.8	13.5	13.3	12.0	9.5
Italy	3.9	11.3	15.3	14.8	21.2	19.3	16.4	14.9
United Kingdom	4.1	13.0	13.5	13.4	18.0	11.9	8.6	4.6
West Germany	2.6	6.1	3.6	4.1	5.5	6.0	5.3	3.0
Export prices (unit values, US dollar basis)								
United States	2.0	12.0	4.8	13.8	13.6	9.2	1.5	1.0
Canada	1.4	12.2	1.9	17.7	17.4	3.9	−2.0	−1.2
Japan	−0.4	12.5	9.2	4.9	7.5	5.5	−6.4	−2.4
France	1.3	15.2	6.2	16.4	11.6	−12.0	−5.5	−5.0
Italy	0.5	14.3	5.9	20.3	17.6	−7.8	−3.2	−5.8
United Kingdom	NA	12.7	10.4	22.4	25.2	−5.1	−7.3	−5.9
West Germany	2.6	16.0	8.8	12.9	7.9	−14.9	−2.8	−3.2
Import prices (unit values, US dollar basis)								
United States	1.5	16.7	6.5	19.3	25.4	5.3	−2.0	−3.7
Canada	1.4	10.6	4.4	11.4	16.7	8.7	−1.1	−3.4
Japan	0.6	20.4	2.4	25.0	34.2	3.6	−7.3	−5.1
France	0.6	16.0	5.8	17.0	19.2	−7.8	−7.2	−7.0
Italy	1.1	19.6	5.6	21.1	26.4	1.1	−7.3	−7.6
United Kingdom	NA	17.0	7.7	24.9	13.9	−6.0	−6.1	−5.2
West Germany	1.5	16.1	8.3	20.3	15.2	−8.6	−4.7	−5.2

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Percent

Table 16 (continued)

Economic Indicators for Selected Industrial Countries [a]

	Average Annual Rate of Growth							
	1961-70	1971-75	1976-78	1979	1980	1981	1982	1983
Productivity in manufacturing (output per hour)								
United States	2.8	3.4	2.6	0.7	0.2	3.5	1.1	6.2
Canada	4.3	3.5	3.7	2.8	−2.1	2.5	−2.5	6.9
Japan	10.8	6.8	8.1	8.8	9.5	5.5	8.2	5.7
France	6.7	5.0	6.2	4.4	1.5	2.7	5.6	6.1
Italy	7.1	4.6	4.2	7.3	5.8	3.5	2.6	0.6
United Kingdom	3.7	4.0	2.3	1.1	−1.1	6.5	3.1	6.1
West Germany	5.8	5.1	4.4	4.8	1.3	2.4	1.7	4.6
Unit labor costs in manufacturing (in US dollars)								
United States	1.8	4.7	5.5	8.9	11.5	6.1	7.2	−0.7
Canada	0.4	7.8	3.0	5.0	12.9	9.9	11.7	0.6
Japan	3.2	17.0	11.8	−6.6	−5.2	4.4	−14.1	2.5
France	1.2	16.3	5.6	15.5	13.4	−11.9	−8.5	−7.4
Italy	4.5	15.6	3.5	12.0	9.2	−10.0	−2.8	3.2
United Kingdom	2.1	13.1	6.8	27.3	34.7	−4.4	−8.5	−11.6
West Germany	5.1	15.6	10.9	12.0	8.3	−15.3	−3.7	−5.8
Export Volume								
United States	5.9	7.4	5.1	11.3	6.8	−3.0	−10.2	−6.5
Canada	9.8	2.8	10.3	1.8	−1.3	2.5	0.4	9.6
Japan	17.5	9.9	10.4	0.2	17.1	10.1	−2.4	8.6
France	8.5	7.6	7.2	10.1	2.1	2.9	−2.9	3.7
Italy	12.8	6.2	10.5	7.1	−7.9	6.6	−0.4	5.2
United Kingdom	4.8	4.5	6.7	5.0	0.9	−0.7	2.2	0.8
West Germany	9.5	4.6	6.9	7.1	4.1	5.3	2.2	0.4
Import Volume								
United States	8.7	2.5	13.7	0.5	−6.6	0.9	−5.0	10.3
Canada	7.9	9.2	3.8	10.8	−5.4	3.0	−16.1	15.5
Japan	14.7	3.9	8.5	11.3	−5.0	−2.6	−0.7	1.4
France	10.9	6.2	8.6	11.6	6.3	−3.4	3.6	−1.8
Italy	11.0	0.7	7.5	13.5	1.9	−8.8	1.3	1.5
United Kingdom	4.4	3.9	4.0	10.6	−5.4	−2.7	3.5	6.8
West Germany	10.3	3.5	8.5	9.0	2.2	−3.7	0.7	5.2

[a] Growth rates were derived from unrounded data.

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Table 17

Million US $

Current Account Balance

	1960	1965	1970	1975	1979	1980	1981	1982	1983 [a]
OECD									
United States	2,830	5,410	2,320	18,320	−480	480	4,640	−11,200	−40,840
Canada	−1,616	−1,173	1,078	−4,696	−4,119	−915	−4,805	2,398	1,274
Japan	140	920	2,000	−690	−8,750	−10,750	4,770	6,850	21,030
European Community	**1,750**	**−129**	**2,872**	**3,530**	**−9,070**	**−36,600**	**−11,600**	**−9,440**	NA
Belgium [b]	110	−478	717	181	−3,077	−4,945	−4,174	−2,804	NA
Denmark	−59	−214	−544	−490	−2,965	−2,466	−1,875	−2,259	−1,313
France	719 [c]	581 [c]	55	2,745	5,139	−4,208	−4,809	−12,084	NA
Greece	−55	−272	−402	−877	−1,886	−2,209	−2,408	−1,892	−2,432
Ireland	−11	−131	−198	−56	−1,679	−2,745	−2,000	−1,300	−400
Italy	316	2,251	902	−580	5,414	−9,801	−8,604	−5,767	NA
Netherlands	347	49	−483	1,990	−2,068	−2,974	2,887	3,697	3,551
United Kingdom	−723	−215	1,975	−3,463	−1,669	8,741	15,151	9,529	3,047
West Germany	1,110	−1,700	850	4,080	−6,280	−15,960	−5,720	3,340	3,910
Non-OPEC less developed countries									
Argentina	−204	222	−163	−1,287	−513	−4,774	−4,712	−2,510	−2,570
Brazil	−517	284	−837	−7,008	−10,478	−12,806	−11,751	−16,312	−6,900
China (Taiwan)	−125	−80	5	−690	−241	−825	4,970	2,193	NA
India	−802	−1,422	−530	−342	−690	−4,100	−3,840	−3,500	NA
Malaysia	−2	39	8	−494	988	−192	−2,286	−3,445	2,850
Mexico	−324	−403	−1,068	−4,042	−5,459	−8,162	−13,899	−2,943	−4,000
Philippines	−4	122	−48	−923	−1,562	−2,046	−2,327	−3,368	−3,200
South Korea	13	8	−623	−1,889	−4,151	−5,321	−4,646	−2,650	−1,600
Thailand	−3	−15	−250	−606	−2,086	−2,070	−2,569	−1,006	−1,900
OPEC									
Iran	−92	−96	−507	4,707	12,000	400	−1,100	6,100	−700
Saudi Arabia	190	89	152	15,300	13,900	49,000	58,000	13,800	−13,700
Venezuela	394	35	−104	2,171	350	4,728	4,000	−4,246	1,300

[a] Preliminary.
[b] Including Luxembourg.
[c] Excluding overseas departments and territories.

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Million US $

Table 18

International Reserves [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	19,359	15,450	14,487	15,882	19,984	27,395	29,683	33,003	32,279
Australia	743	1,317	1,693	3,257	1,790	2,044	1,994	6,677	9,160
Austria	714	1,305	1,751	4,439	5,048	6,223	6,145	6,116	5,289
Canada	1,998	3,037	4,679	5,325	3,878	3,978	4,326	3,781	4,205
Japan	1,949	2,152	4,840	12,815	20,639	25,717	29,196	24,270	25,489
Norway	308	476	811	2,237	4,269	6,100	6,302	6,919	6,672
Spain	541	1,422	1,817	6,090	13,898	12,516	11,400	8,218	7,937
Switzerland	2,324	3,444	5,132	10,428	20,275	19,373	17,372	18,676	18,086
European Community									
Belgium	1,507	2,334	2,847	5,797	7,020	9,349	6,345	5,247	5,967
France	2,272	6,343	4,960	12,593	21,357	30,994	25,597	19,691	22,851
Italy	3,251	4,800	5,352	4,774	21,274	26,117	22,850	16,665	22,548
Netherlands	1,861	2,413	3,241	7,109	9,618	13,607	11,130	11,829	11,781
United Kingdom	3,719	3,004	2,827	5,459	20,585	21,492	16,013	13,131	12,036
West Germany	7,033	7,430	13,610	31,034	56,942	52,840	47,597	48,436	46,162
Latin America									
Brazil	345	484	1,187	4,034	9,045	5,853	6,693	3,934	4,375
Venezuela	609	819	1,021	8,860	7,849	7,116	8,631	7,021	8,036
Middle East									
Kuwait	72	124	203	1,655	2,988	4,042	4,170	6,011	5,285
Saudi Arabia	185	726	662	23,320	19,483	23,641	32,422	29,727	27,455
Africa									
Libya	82	246	1,590	2,195	6,458	13,229	9,149	7,198	5,350
Nigeria	343	239	222	5,610	5,580	10,266	3,924	1,639	1,016
Communist countries									
China	NA	NA	NA	NA	2,744	3,117	5,565	11,830	15,318
USSR	2,800	1,500	2,800	5,625	11,150	11,150	10,900	12,625	12,400
Yugoslavia	13	103	140	871	1,336	1,467	1,673	847	1,045

[a] Including gold and foreign exchange. Data for the non-Communist countries also include special drawing rights and the reserve position in the International Monetary Fund. Data before 1975 are expressed in terms of US dollars at the official par values and, in 1975-83, reflect the realignments of the exchange rates and the revaluations of the dollar price of gold. Gold is valued at 35 SDR per ounce.

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Table 19

1970=100

Agricultural Production Index

	1965	1970	1975	1979	1980	1981	1982	1983
Developed countries	92	100	113	122	121	127	128	118
United States	98	100	113	132	123	140	139	118
Canada	107	100	116	120	129	141	148	148
European Community								
France	95	100	108	121	124	124	128	126
Italy	89	100	108	116	122	120	118	121
United Kingdom	92	100	105	117	124	122	126	127
West Germany	85	100	102	110	112	112	120	117
Oceania	85	100	121	139	128	139	128	144
Less developed countries	85	100	115	129	131	138	140	143
Africa	88	100	108	115	119	120	124	124
Far East	81	100	116	127	131	139	138	147
Latin America	88	100	114	131	133	141	142	143
Middle East	85	100	122	134	136	138	142	144
Communist countries								
USSR and Eastern Europe								
USSR	83	100	98	107	104	104	111	115
Eastern Europe [a]	91	100	119	129	127	123	123	119
Bulgaria	91	100	110	121	117	123	129	120
Czechoslovakia	83	100	114	122	125	124	122	126
East Germany	94	100	118	124	126	128	122	126
Hungary	91	100	125	137	145	141	148	144
Poland	92	100	118	124	114	105	100	104
Romania	92	100	133	161	156	149	157	154
Other								
China [b]	82	100	121	150	154	163	181	198
North Korea [c]	90	100	154	180	180	176	190	186
Yugoslavia	87	100	117	132	134	136	146	144

[a] Estimates based on the value of crop production plus the value of livestock products, with allowance for changes in livestock numbers, but minus feed (including grain imported for feed), seed, and waste.

[b] Index of gross value of agricultural output.

[c] Based on official grain claims.

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1970=100

Table 20

Index of Industrial Production for Communist Countries

	1960	1965	1970	1975	1979	1980	1981	1982	1983 [a]
USSR and Eastern Europe [b]									
USSR									
Official	44	67	100	143	172	178	184	190	198
Adjusted	54	74	100	133	152	156	160	163	169
Eastern Europe [c]									
Adjusted	55	76	100	131	145	147	144	144	148
Bulgaria									
Official	34	60	100	155	201	209	219	230	241
Adjusted	34	66	100	132	151	155	160	164	168
Czechoslovakia									
Official	55	72	100	138	168	174	177	179	184
Adjusted	64	81	100	121	135	138	141	142	144
East Germany									
Official	55	73	100	137	164	172	181	188	197
Adjusted	65	83	100	118	133	137	141	143	146
Hungary									
Official	52	74	100	136	163	161	166	169	170
Adjusted	56	84	100	114	129	127	126	126	127
Poland									
Official	45	67	100	164	207	207	184	180	NA
Adjusted	51	74	100	144	150	148	130	127	133
Romania									
Official	30	51	100	184	272	290	298	301	316
Adjusted	35	58	100	155	186	193	193	196	200
Other									
North Korea [d]									
Official	30	58	100	228	370	433	476	556	NA

[a] Preliminary.

[b] The official indexes purportedly measure changes in the gross value of industrial production. In general, the gross value of production equals the sum of the value of output of all industrial enterprises. As a result, since both intermediate and final goods are included in the value of output of each enterprise, industrial products are double-counted. If, as the evidence suggests, intermediate product (for example rolled metal) increases relative to final product (for example machine tools) inflation of output from increased double-counting takes place. In addition to inflation in the official indicator from this source, disguised inflation also enters the index through new-product pricing, where minor product improvements result in a new-product price that is substantially higher than can be justified by either improved quality or increased production costs. Because output of these "new" products grows from a small base, their rates of growth will proceed at a higher rate than those of "old" products.

Adjusted indexes of industrial production—parallel to those used by the Federal Reserve Board for measuring US industrial output—are constructed in order to circumvent most of these distortions, that is, price-weighted samples of several final products form output indexes for various industrial components and these component indexes are combined into an aggregate index for industry by use of value-added weights.

[c] An official index is not published.

[d] An adjusted index is not available.

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Table 21

1970 = 100

Index of Industrial Production for Selected Countries [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983 [b]
OECD									
United States	61	83	100	109	141	136	140	129	137
Canada	55	78	100	121	144	142	143	128	135
Japan	28	48	100	108	143	149	150	151	156
European Community									
France	62	77	100	115	133	133	130	128	129
Italy	50	70	100	108	123	129	126	123	117
United Kingdom	76	89	100	100	113	105	102	103	106
West Germany	60	78	100	101	120	120	118	114	114
Communist countries									
USSR and Eastern Europe									
USSR [c]	54	74	100	133	152	156	160	163	169
Eastern Europe	**55**	**76**	**100**	**131**	**145**	**147**	**144**	**144**	**148**
Bulgaria	34	66	100	132	151	155	160	164	168
Czechoslovakia	64	81	100	121	135	138	141	142	144
East Germany	65	83	100	118	133	137	141	143	146
Hungary	56	84	100	114	129	127	126	126	127
Poland	51	74	100	144	150	148	130	127	133
Romania	35	58	100	155	186	193	193	196	200
Other									
China [d]	57	63	100	159	226	246	256	276	305
Yugoslavia	46	77	100	146	195	203	211	211	213

[a] Indexes for the non-Communist countries are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing, mining, and, in most countries, public utilities. The indexes for the Communist countries are estimates of CIA (see Table 20 for detailed explanation)—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by CIA. The indexes for the Communist countries include manufacturing, mining, and public utilities.

[b] Preliminary.

[c] Index of gross values of output for individual commodities and branches are aggregated by 1970 value-added weights. The three sectors covered—materials, machinery, and nondurable consumer goods—constitute 50 percent, 32 percent, and 18 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of US industrial production of the US Federal Reserve Board.

[d] CIA estimates for 1960-75 were computed by applying value-added weights to data for commodity production. The data are fragmentary and uncertain; therefore, the index should be regarded as providing only a tentative indication of the general level and trend in production. The index for 1979-83 follows the trend for reported gross value of industrial output.

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Percent

Table 22

Defense Expenditures as a Share of Gross National Product

	1965	1970	1975	1976	1977	1978	1979	1980	1981	1982
OECD [a]	4.4	3.3	2.2	2.2	2.4	2.3	2.3	2.3	2.4	2.5
Australia	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.2
Austria	3.1	2.9	3.0	3.1	3.1	3.3	3.3	3.3	3.5	3.4
Belgium	3.0	2.4	1.9	1.9	2.0	2.0	1.9	1.9	1.9	2.2
Canada	2.8	2.3	2.5	2.5	2.5	2.4	2.4	2.5	2.5	2.6
Denmark	1.7	1.5	1.5	1.3	1.4	1.4	1.5	1.7	1.5	1.8
Finland	5.2	4.2	3.8	3.8	3.9	4.0	3.9	4.0	4.2	4.2
France	3.5	4.7	6.6	6.7	6.8	6.5	6.1	5.5	6.8	6.9
Greece	1.4	1.1	1.8	1.6	1.6	1.6	1.6	1.7	1.7	2.0
Ireland	3.3	2.5	2.5	2.3	2.4	2.4	2.4	2.4	2.5	2.6
Italy	1.0	0.8	0.9	0.9	0.9	0.9	1.0	0.9	1.0	1.0
Japan	1.4	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.0
Luxembourg	4.0	3.4	3.2	3.0	3.3	3.1	3.2	3.1	3.2	3.3
Netherlands	2.1	2.0	1.7	1.6	1.7	1.7	1.6	1.9	2.1	2.1
New Zealand	3.8	3.5	3.3	3.2	3.2	3.3	3.2	3.0	3.0	3.1
Norway	6.0	6.5	5.2	4.0	3.5	3.5	3.5	3.7	3.7	3.7
Portugal	2.7	3.1	2.7	2.5	1.7	1.7	1.8	1.9	2.0	2.1
Spain	3.9	3.6	3.3	3.2	3.3	3.3	3.2	3.1	3.2	3.3
Sweden	2.6	2.1	1.9	2.2	2.0	2.0	2.1	2.0	1.9	2.0
Switzerland	5.0	4.2	5.6	6.0	5.7	5.1	4.2	4.2	4.8	5.2
Turkey	5.9	4.7	4.9	4.9	4.8	4.6	4.7	5.1	4.9	5.1
United Kingdom	7.1	7.4	5.4	5.0	4.8	4.6	4.6	5.0	5.2	5.8
United States	4.3	3.3	3.6	3.5	3.3	3.3	3.2	3.3	3.4	3.4
West Germany	NA	5.8	6.2	6.1	5.7	5.7	5.4	5.2	5.4	5.7
Less developed countries	NA	5.6	8.6	8.7	7.9	8.9	7.2	7.5	8.7	9.5
OPEC	NA	7.8	14.7	13.2	11.3	15.8	6.1	7.3	10.6	NA
Iran	NA	5.9	5.4	3.8	3.9	3.5	2.8	2.7	2.8	2.3
Nigeria	NA	11.9	17.4	19.1	15.3	15.9	18.1	14.4	13.1	15.4
Saudi Arabia										

[a] Except for the United States, data are from the United States Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, based on the ratio of military expenditures to GNP at current market prices. Military expenditures are for current and capital expenditures to meet the needs of the armed forces, including expenditures of national defense agencies for military programs; expenditures for the military components of such mixed activities as atomic energy, space, and research and development; military assistance to foreign countries; and expenditures on paramilitary forces where they contribute substantially to a country's military capabilities.

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Table 23

Million US $

Eastern Europe: Gross and Net Hard Currency Debt to the West

	1971	1974	1975	1977	1978	1979	1980	1981	1982	1983
Total										
Gross	6,072	15,352	23,233	36,743	47,490	58,190	70,340	66,810	62,080	62,560
Net	4,927	12,732	18,857	32,908	42,856	51,742	58,480	59,490	55,550	53,950
Bulgaria										
Gross	743	1,703	2,640	3,707	4,263	4,032	3,550	3,050	2,750	2,460
Net	723	1,360	2,257	3,169	3,710	3,292	2,760	2,225	1,750	1,400
Czechoslovakia										
Gross	485	1,048	1,132	2,616	3,206	4,099	9,200	4,500	4,050	3,700
Net	160	640	827	2,121	2,513	3,050	3,670	3,400	3,300	2,700
East Germany										
Gross	1,408	3,136	5,388	7,828	9,666	12,300	14,100	14,900	13,000	12,650
Net	1,205	2,592	3,748	6,842	8,320	10,340	11,600	12,300	10,700	9,000
Hungary										
Gross	1,071	2,129	3,135	5,020	7,290	8,140	9,090	8,700	7,700	8,250
Net	848	1,537	2,195	3,856	6,349	6,910	7,000	7,050	6,600	6,750
Poland										
Gross	1,138	4,643	8,014	13,967	17,844	22,669	25,000	25,500	24,800	26,500
Net	764	4,120	7,381	13,532	16,972	21,500	24,350	24,700	23,800	25,350
Romania										
Gross	1,227	2,693	2,924	3,605	5,221	6,950	9,400	10,160	9,780	9,000
Net	1,227	2,483	2,449	3,388	4,992	6,650	9,100	9,815	9,400	8,750

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Billion US $

Table 24

Medium- and Long-Term Debt of Selected Less Developed Countries

	1975	1978	1979	1980	1981	1982	1983
Algeria	5.9	15.0	17.0	17.3	16.9	16.8	16.0
Argentina	4.9	9.8	14.0	16.9	26.1	28.8	29.5
Brazil	23.4	46.2	51.4	56.1	64.3	70.7	78.1
Chile	4.4	5.9	7.5	9.6	12.6	14.9	14.9
Ecuador	0.6	2.8	3.3	4.0	4.9	5.0	5.5
Egypt	5.1	10.4	12.2	13.8	15.2	16.6	17.9
India	12.7	15.8	16.5	18.2	18.9	20.7	21.5
Indonesia	8.7	14.5	15.1	16.6	17.5	20.2	24.7
Ivory Coast	0.9	3.1	3.8	4.6	4.8	5.2	5.4
Malaysia	1.8	3.1	3.5	4.4	6.7	10.2	13.6
Mexico	16.6	32.5	37.7	43.5	53.5	60.4	63.4
Morocco	1.8	5.6	6.7	7.5	8.4	9.6	10.2
Nigeria	1.4	2.7	4.2	5.6	6.7	10.0	11.9
Pakistan	5.4	7.8	8.3	9.2	9.2	9.9	9.9
Peru	4.4	7.2	7.9	8.1	8.2	9.3	10.9
Philippines	2.8	6.3	7.2	8.9	10.3	12.0	13.5
South Korea	6.0	12.7	15.5	17.6	21.0	23.4	26.8
Sudan	1.5	2.9	3.5	4.1	5.3	6.8	7.0
Taiwan	1.9	3.5	3.9	4.9	5.4	6.2	7.1
Thailand	1.4	2.8	4.1	5.8	7.3	8.5	9.9
Venezuela	2.3	9.4	12.3	14.2	15.9	19.6	21.3

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Table 25

Metal Prices

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Aluminum [a] (US cents per pound)	27.23	24.50	28.72	39.79	60.09	71.64	77.30	76.00	77.70
Copper [b] (US cents per pound)	30.74	58.51	64.17	55.85	89.82	98.68	79.01	67.10	72.00
Lead [c] (US cents per pound)	9.02	14.39	13.78	18.66	54.32	41.10	32.90	24.70	19.30
Nickel [d] (US cents per pound)	74.00	78.70	129.00	205.83	273.41	347.25	346.60	320.00	320.00
Tin [e] (US cents per pound)	99.60	179.40	166.70	310.20	698.80	761.30	641.40	581.60	590.90
Zinc [e] (US cents per pound)	11.09	14.11	13.40	33.68	33.40	34.40	38.40	33.70	34.70
Silver [f] (US $ per troy ounce)	0.91	1.29	1.77	4.42	11.05	20.70	10.53	7.90	11.40
Gold [e] (US $ per troy ounce)	35.28	35.13	35.98	160.47	306.80	612.10	460.00	375.50	424.40
Platinum [g] (US $ per troy ounce)	83.21	98.04	132.50	164.50	351.50	439.50	475.00	475.00	475.00
Iron ore [h] (US $ per metric ton)	17.00	16.00	15.00	23.00	23.00	27.00	25.00	26.00	24.00
Manganese [i] (US $ per metric ton)	90.00	78.00	56.00	142.00	142.00	158.00	170.00	167.00	154.00
Steel scrap [j] (US $ per long ton)	33.20	34.27	44.95	71.86	97.91	91.20	92.00	63.10	73.20
Chrome ore [k] (US $ per metric ton)	18.93	19.31	23.12	39.78	56.00	55.00	53.00	50.90	50.00
Finished steel composite [l] (US cents per pound)	6.20	6.37	7.65	13.10	20.00	21.65	24.22	25.27	26.19

[a] Virgin unalloyed ingot at New York.
[b] London Metal Exchange electrolytic wirebars.
[c] London Metal Exchange refined pig lead, minimum 99.97 percent.
[d] US major producer of cathodes, spot, f.o.b. refinery.
[e] London Metal Exchange.
[f] US price (New York).
[g] Major producers, New York.
[h] Brazil (North Sea ports).
[i] India (US ports).
[j] Number 1, heavy melting average.
[k] South African ports.
[l] Weighted index of steel shapes.

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US $ per Metric Ton

Table 26

Agricultural Prices

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Beef [a]	NA	882	1,304	1,327	2,884	2,760	2,472	2,390	2,440
Cocoa [b]	NA	355	655	1,239	3,181	2,502	1,980	1,640	2,031
Coffee [c]	915	1,005	1,147	1,442	3,826	3,399	2,824	3,080	2,903
Corn [d]	50	56	58	119	116	126	131	108	136
Cotton [e]	692	670	653	994	1,369	1,792	1,588	1,323	1,509
Palm oil [f]	228	273	260	429	654	583	571	445	502
Rice [g]	179	183	190	419	381	496	565	367	379
Rubber, natural [h]	842	567	465	659	1,415	1,620	1,257	998	1,239
Soybeans [i]	92	117	117	220	297	296	288	244	282
Soybean meal [j]	78	94	103	155	243	259	253	218	238
Soybean oil [k]	224	270	291	563	663	598	507	447	527
Sugar [l]	69	47	83	452	213	630	372	185	187
Tea [m]	1,422	1,280	1,092	1,375	2,158	2,235	2,007	1,982	2,320
Wheat [n]	58	60	55	149	160	173	175	160	157

[a] Boneless Australian, f.o.b., New York.
[b] New York cocoa bean futures prices. Average of nearest three active futures trading months.
[c] Other milds, New York.
[d] US No. 2 yellow, f.o.b. Gulf ports.
[e] US, domestic middling 1 inch, 10 markets.
[f] Malaysian, Europe.
[g] US No. 2, milled, f.o.b., New Orleans.
[h] Smoked sheets, New York.
[i] US No. 2, yellow, c.i.f., Rotterdam.
[j] US, c.i.f., Rotterdam.
[k] Netherlands, f.o.b., ex-mill.
[l] Caribbean, raw, f.a.s., No. 11 bulk, New York spot.
[m] London, average price all teas.
[n] US No. 1, hard winter, ordinary protein, f.o.b. Gulf ports.

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Table 27

US $ per Barrel

OPEC Countries: Crude Oil Official Sales Price [a]

	1973 [b]	1974	1975	1978	1979	1980	1981	1982	1983
OPEC [c]	3.39	11.28	11.02	12.93	18.67	30.87	34.50	33.63	29.31
Algeria (42° API, 0.10% sulfur)	4.79	13.33	12.06	14.14	19.65	37.59	39.58	35.79	31.30
Ecuador (28° API, 0.93% sulfur)	3.67	10.58	11.05	12.33	22.41	34.42	34.50	32.96	27.59
Gabon (29° API, 1.26% sulfur)	3.32	9.56	10.47	12.80	18.20	31.09	34.83	34.00	29.82
Indonesia (35° API, 0.09% sulfur)	4.00	11.93	12.65	13.55	18.35	30.55	35.00	34.92	29.95
Iran (34° API, 1.35% sulfur)	3.24	11.10	10.91	12.81	19.45	34.54	36.60	31.05	28.61
Iraq (35° API, 1.95% sulfur)	3.03	10.77	10.74	12.62	18.56	30.30	36.66	34.86	30.32
Kuwait (31° API, 2.50% sulfur)	2.93	10.79	10.60	12.26	18.48	29.84	35.08	32.30	27.68
Libya (40° API, 0.22% sulfur)	4.82	13.90	11.71	13.89	21.16	36.07	40.08	35.69	30.91
Nigeria (34° API, 0.16% sulfur)	4.50	13.00	11.90	14.07	20.86	35.50	38.48	35.64	30.22
Qatar (40° API, 1.17% sulfur)	3.29	11.61	11.34	13.19	19.72	31.76	37.12	34.56	29.95
Saudi Arabia, Arab light (34° API, 1.70% sulfur)	3.06	10.89	10.72	12.70	17.26	28.67	32.50	34.00	29.46
United Arab Emirates (39° API, 0.75% sulfur)	3.30	11.57	11.13	13.26	19.81	31.57	36.42	34.74	30.38
Venezuela (26° API, 1.52% sulfur)	2.91	9.54	10.63	12.75	17.22	28.44	32.88	32.88	28.69

[a] F.o.b. prices set by the government for direct sales and, in most cases, for the producing company buy-back oil.
[b] Posted prices.
[c] Weighted by the volume of production.

Table 28

1970 = 100

Wholesale Price Index in Non-Communist Countries

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	85	87	100	148	196	222	243	253	257
Canada	81	88	100	172	246	279	307	326	337
Japan	89	90	100	157	176	202	204	205	203
European Community									
Belgium [a]	82	90	100	137	157	165	176	188	194
France [b]	77	85	100	149	200	217	246	268	298
Italy	77	88	100	192	347	408	482	554	622
Netherlands [c]	81	90	100	137	162	174	190	202	207
United Kingdom [c]	74	84	100	189	323	376	416	448	473
West Germany [a] [c]	88	94	100	137	155	166	176	184	187

[a] Excluding the value added tax.
[b] Intermediate goods prices.
[c] Industrial goods prices.

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1970=100

Table 29

Consumer Price Index

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	76	81	100	139	187	212	234	249	257
Canada	77	83	100	142	197	217	244	270	286
Japan	57	77	100	171	219	237	248	255	260
European Community									
Belgium	74	84	100	150	189	201	217	236	254
France	67	81	100	153	221	251	284	319	348
Italy	68	88	100	171	301	364	433	503	579
Netherlands	66	79	100	151	190	203	216	229	236
United Kingdom	67	80	100	185	306	361	404	438	459
West Germany	77	93	100	132	156	164	174	183	189
Communist countries									
USSR [a]	90	97	100	110	118	121	124	129	NA
Eastern Europe [b]									
Bulgaria [c]	73	86	100	116	138	161	168	176	NA
Czechoslovakia	73	81	100	111	121	126	127	NA	NA
East Germany	89	94	100	102	110	113	114	NA	NA
Hungary	81	87	100	122	154	166	178	190	204
Poland	78	87	100	130	179	201	256	513	NA
Romania	NA	NA	100	116	127	131	137	NA	NA
Other									
China [d]	93	101	100	101	107	115	118	120	122
Yugoslavia	32	61	100	243	429	559	787	1,036	1,459

[a] Implicit price index obtained from a comparison of indexes of goods sold in the retail trade network in constant and in current prices. The current price index is based on the values of total retail and collective farm market sales in current prices regularly published in Soviet statistical abstracts. The index in constant prices is derived from the goods components of the CIA index of total consumption. A more complete explanation of the methodology and a discussion of the relative merits of an "official" or "alternative" price index are contained in "Soviet Economy in a New Perspective," US Congress, Joint Economic Committee, 14 October 1976, p. 631.

[b] Calculated differently from that for the USSR; the official index of personal consumption in current prices was deflated by a calculated index of personal consumption in constant prices. An explanation of the methodology used to calculate personal consumption is presented in T. P. Alton, "Index of Personal Consumption in Poland, 1937 and 1946-1967," *Occasional Papers of the Research Projection National Income in East Central Europe* (NY: L. W. International Financial Research, Inc., 1973).

[c] Price indexes are calculated from official figures for total consumption of the population, including estimates of health and education expenses.

[d] Cost of living index for workers and staff members.

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Table 30

Million Persons at Midyear

Population

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**641.9**	**681.5**	**715.7**	**751.3**	**775.2**	**781.6**	**787.1**	**792.6**	**798.2**
United States	180.7	194.3	205.1	216.0	225.1	227.7	230.0	232.3	234.5
Australia	10.4	11.4	12.7	13.8	14.4	14.6	14.8	15.1	15.3
Austria	7.0	7.3	7.4	7.6	7.6	7.6	7.6	7.6	7.5
Canada	17.9	19.7	21.3	22.7	23.8	24.1	24.4	24.6	24.9
Finland	4.4	4.6	4.6	4.7	4.8	4.8	4.8	4.8	4.8
Iceland	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan	94.1	98.9	104.3	111.6	115.9	116.8	117.6	118.4	119.3
New Zealand	2.4	2.6	2.8	3.1	3.1	3.1	3.1	3.2	3.2
Norway	3.6	3.7	3.9	4.0	4.1	4.1	4.1	4.1	4.1
Portugal	9.0	9.1	9.0	9.4	9.8	9.9	9.9	10.0	10.0
Spain	30.6	32.1	33.9	35.6	37.2	37.5	37.8	38.0	38.2
Sweden	7.5	7.7	8.0	8.2	8.3	8.3	8.3	8.3	8.3
Switzerland	5.4	5.9	6.3	6.4	6.4	6.4	6.4	6.4	6.5
Turkey	28.2	32.0	35.8	40.8	45.0	46.0	47.1	48.1	49.2
European Community	**240.5**	**252.0**	**260.4**	**267.2**	**269.5**	**270.4**	**271.1**	**271.6**	**272.1**
Belgium	9.1	9.4	9.6	9.8	9.8	9.8	9.9	9.9	9.9
Denmark	4.6	4.8	4.9	5.1	5.1	5.1	5.1	5.1	5.1
France	45.7	48.8	50.8	52.8	53.6	53.9	54.1	54.4	54.7
Greece	8.3	8.6	8.8	9.0	9.5	9.6	9.7	9.8	9.9
Ireland	2.8	2.9	3.0	3.2	3.4	3.4	3.5	3.5	3.5
Italy	50.2	52.0	53.7	55.6	56.4	56.5	56.5	56.6	56.8
Luxembourg	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Netherlands	11.5	12.3	13.0	13.7	14.0	14.1	14.2	14.3	14.4
United Kingdom	52.6	54.4	55.5	56.0	55.9	56.0	56.0	56.0	56.0
West Germany	55.4	58.6	60.7	61.8	61.3	61.6	61.7	61.6	61.5
Less developed countries									
Bangladesh	54.6	60.3	67.4	76.2	85.4	88.1	90.8	93.6	96.5
Burma	22.8	24.9	27.4	30.2	32.7	33.4	34.1	34.8	35.5
Brazil	71.7	83.1	95.7	108.7	119.6	122.4	125.3	128.3	131.3
Egypt	26.3	29.8	33.2	36.8	40.9	42.1	43.4	44.6	45.8
India	445.9	494.9	553.6	617.2	670.8	685.1	699.9	715.1	730.6
Indonesia	100.7	112.3	122.7	137.5	151.4	154.9	158.5	162.1	165.8

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Table 30 (continued)

Million Persons at Midyear

Population

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Less developed countries (continued)									
Iran	21.6	25.0	28.9	33.4	37.6	38.8	40.0	41.2	42.5
Mexico	38.6	45.1	52.8	61.5	68.4	70.1	71.9	73.8	75.7
Nigeria	42.4	48.7	56.3	65.7	74.6	77.1	79.7	82.4	85.2
Pakistan	50.4	57.5	65.7	74.7	82.4	85.2	88.4	91.5	94.1
Philippines	28.6	33.3	38.7	44.4	49.3	50.5	51.7	53.0	54.3
South Korea	25.1	29.1	33.0	36.7	39.0	39.6	40.1	40.7	41.4
Thailand	27.5	32.1	37.1	42.4	46.6	47.7	48.7	49.7	50.7
Communist countries	**1,039.5**	**1,134.8**	**1,264.8**	**1,386.6**	**1,459.1**	**1,475.4**	**1,491.6**	**1,510.1**	**1,528.0**
USSR and Eastern Europe	**311.0**	**330.7**	**345.8**	**360.5**	**372.1**	**374.9**	**377.6**	**380.4**	**383.4**
USSR	214.3	230.9	242.8	254.5	263.4	265.5	267.7	270.0	272.5
Eastern Europe	**96.7**	**99.8**	**103.0**	**106.0**	**108.7**	**109.4**	**109.9**	**110.4**	**110.9**
Bulgaria	7.9	8.2	8.5	8.7	8.8	8.9	8.9	8.9	8.9
Czechoslovakia	13.7	14.1	14.3	14.8	15.2	15.3	15.3	15.4	15.4
East Germany	17.1	17.0	17.1	16.8	16.7	16.7	16.7	16.7	16.7
Hungary	10.0	10.2	10.3	10.5	10.7	10.7	10.7	10.7	10.7
Poland	29.6	31.3	32.5	34.0	35.3	35.6	35.9	36.2	36.6
Romania	18.4	19.0	20.3	21.2	22.0	22.2	22.4	22.5	22.6
Other									
Albania	1.6	1.9	2.1	2.4	2.6	2.7	2.7	2.8	2.8
China	650.7	715.5	820.4	917.9	971.8	983.4	994.9	1,008.2	1,020.9
Cuba	7.0	7.8	8.5	9.3	9.7	9.7	9.7	9.8	9.9
Kampuchea	5.4	6.5	7.1	6.7	5.8	5.7	5.8	5.9	6.0
Laos	2.4	2.7	3.0	3.3	3.4	3.5	3.5	3.6	3.6
Mongolia	1.0	1.1	1.2	1.4	1.6	1.7	1.7	1.8	1.8
North Korea	10.5	12.1	13.9	15.9	17.5	17.9	18.3	18.7	19.2
Vietnam	31.5	37.1	42.4	47.9	52.5	53.6	54.9	56.2	57.6
Yugoslavia	18.4	19.4	20.4	21.3	22.1	22.3	22.5	22.7	22.8

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Table 31

Million Persons at Midyear

Labor Force [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	71.49	76.40	84.89	95.45	106.56	108.54	110.32	111.87	113.23
Canada [b]	6.58	7.32	8.49	10.05	11.31	11.65	11.98	12.03	12.26
Japan [b]	44.33	47.01	50.97	52.77	55.45	55.98	56.56	57.22	58.35
European Community									
France	19.81	20.32	21.41	22.23	23.08	23.15	23.27	23.54	23.50
Italy	21.10	20.20	20.03	20.42	21.33	21.63	21.81	21.86	21.96
United Kingdom	24.10	25.09	24.88	25.49	26.09	26.24	26.32	26.10	26.05
West Germany [b]	26.28	26.85	26.74	26.65	26.77	27.03	27.16	27.12	27.08
Communist countries									
USSR and Eastern Europe	**158**	**165**	**177**	**190**	**200**	**202**	**204**	**205**	NA
USSR [c]	110.13	116.49	125.61	135.77	144.20	146.07	147.75	149.22	150.52
Eastern Europe	**47.4**	**48.8**	**51.9**	**54.3**	**56.1**	**56.3**	**56.3**	**56.0**	NA
Bulgaria	4.42	4.26	4.55	4.66	4.73	4.72	4.72	4.80	NA
Czechoslovakia	6.06	6.48	7.03	7.44	7.67	7.74	7.77	7.81	NA
East Germany	8.51	8.39	8.53	8.71	8.93	9.07	8.76	8.81	NA
Hungary	4.74	4.78	4.99	5.09	5.08	4.85	5.00	5.00	4.97
Poland	14.13	15.21	16.89	18.28	19.33	19.58	19.65	19.12	NA
Romania [d]	9.54	9.68	9.88	10.15	10.32	10.35	10.38	10.43	NA
Other									
China [e]	NA	286.70	NA	381.68	405.81	418.96	432.80	447.06	NA
Cuba	NA	NA	4.18 [f]	4.45	4.85	4.99	5.22	5.43	NA
Vietnam [g]	8.50	9.70	10.95	12.50	25.50	26.50	27.50	27.9	29.0
Yugoslavia [h]	7.07	7.81	8.07	8.21	8.85	9.03	9.21	NA	NA

[a] Unless otherwise indicated, data include the armed forces and the unemployed.
[b] Annual averages of monthly data.
[c] Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.
[d] Excluding the armed forces.
[e] Data are as of the end of the year.
[f] Data are for 1971.
[g] Excluding the armed forces and prior to 1979 South Vietnam.
[h] Excluding those employed abroad and the armed forces.

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Table 32

Million Persons at Midyear

Agricultural Labor Force

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	5.57	4.48	3.57	3.50	3.51	3.53	3.52	3.57	3.54
Canada	0.80	0.69	0.60	0.56	0.59	0.58	0.60	0.56	0.59
Japan	12.80	10.50	8.49	6.38	5.86	5.51	5.33	5.25	NA
European Community									
France	4.30	3.58	2.82	2.10	1.89	1.84	1.79	1.76	NA
Italy	6.51	5.03	3.84	3.24	2.98	2.90	2.73	2.52	NA
United Kingdom	0.98	0.95	0.78	0.67	0.65	0.66	0.64	0.64	NA
West Germany	3.62	2.88	2.26	1.77	1.48	1.44	1.40	1.38	1.37
Communist countries									
USSR and Eastern Europe	**65.7**	**57.9**	**53.8**	**49.2**	**45.9**	**45.2**	**44.7**	NA	NA
USSR [a]	45.44	40.04	37.50	34.85	32.72	32.19	31.66	31.13	30.60
Eastern Europe	**20.2**	**17.9**	**16.3**	**14.4**	**13.2**	**13.0**	**13.0**	NA	NA
Bulgaria	2.49	1.93	1.64	1.40	1.23	1.19	1.15	NA	NA
Czechoslovakia	1.47	1.26	1.18	1.03	0.98	0.98	0.98	0.99	NA
East Germany	1.56	1.38	1.08	0.93	0.86	0.91	0.92	0.92	NA
Hungary	1.83	1.42	1.26	1.09	1.02	1.01	1.05	1.06	1.08
Poland	6.66	6.39	6.32	6.09	5.90	5.88	5.92	5.92	NA
Romania	6.22	5.48	4.85	3.84	3.17	3.05	3.00	2.99	NA
Other									
China [b]	NA	235.34	NA	NA	305.82	313.71	322.27	332.78	NA
Cuba	NA	NA	0.92 [c]	0.92	0.77	0.77	0.77	0.77	NA
Vietnam [d]	6.50	6.75	7.65	8.70	15.10	15.65	16.35	15.70	15.80
Yugoslavia	4.14	4.12	4.01	3.21	2.69	2.53	2.40	NA	NA

[a] Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.

[b] Yearend data are for collective and individual laborers in rural area; include some nonagricultural workers.

[c] Data are for 1971.

[d] Including South Vietnam beginning in 1979.

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Table 33

Million Persons at Midyear

Nonagricultural Labor Force [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	65.92	71.92	81.32	91.95	103.05	105.02	106.80	108.30	109.69
Canada	5.79	6.62	7.88	9.49	10.72	11.07	11.39	11.47	11.67
Japan	31.53	36.51	42.48	46.39	49.59	50.47	51.23	51.97	NA
European Community									
France	15.50	16.74	18.59	20.13	21.19	21.31	21.48	21.78	NA
Italy	14.59	15.17	16.19	17.18	18.34	18.73	19.08	19.33	NA
United Kingdom	23.12	24.14	24.10	24.82	25.44	25.58	25.67	25.46	NA
West Germany	22.66	23.97	24.48	24.88	25.29	25.59	25.76	25.74	25.71
Communist countries									
USSR and Eastern Europe	**91.8**	**107**	**124**	**141**	**154**	**157**	**159**	NA	NA
USSR [b]	64.70	76.46	88.11	100.92	111.48	113.88	116.09	118.08	119.92
Eastern Europe	**27.2**	**30.9**	**35.6**	**40.0**	**43.0**	**43.3**	**43.3**	NA	NA
Bulgaria	1.93	2.34	2.91	3.27	3.50	3.53	3.57	NA	NA
Czechoslovakia	4.59	5.22	5.85	6.41	6.69	6.76	6.79	6.82	NA
East Germany	6.95	7.00	7.46	7.78	8.07	8.16	7.85	7.89	NA
Hungary	2.90	3.35	3.73	4.00	4.06	3.84	3.95	3.94	3.89
Poland	7.47	8.82	10.57	12.19	13.50	13.70	13.73	13.20	NA
Romania [c]	3.31	4.20	5.03	6.31	7.15	7.30	7.38	7.44	NA
Other									
China [d]	NA	51.36	NA	NA	99.99	105.25	110.53	114.28	117.46
Cuba [e]	NA	NA	1.48 [f]	1.71	1.87 [g]	NA	NA	NA	NA
Vietnam [h]	2.00	2.95	3.30	3.80	10.40	10.85	11.15	12.20	13.20
Yugoslavia [i]	2.93	3.69	4.06	5.00	6.16	6.50	6.81	NA	NA

[a] Unless otherwise indicated, data include the armed forces.
[b] Data are from *Estimates and Projections of the Labor Force and Civilian Employment in the USSR*, by Stephen Rapawy, Foreign Economic Report No. 10, US Department of Commerce, September 1976, p. 19.
[c] Excluding the armed forces.
[d] Yearend data are workers and staff plus individual workers in cities and towns.
[e] State sector only.
[f] Data are for 1971.
[g] Data are for 1978.
[h] Excluding the armed forces and prior to 1979, South Vietnam.
[i] Excluding those employed abroad and the armed forces.

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Table 34

Million Persons, Annual Average

Industrial Employment [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	22.00	24.31	26.08	25.30	29.80	29.14	29.00	27.02	27.02
Canada	1.91	2.23	2.36	2.61	2.88	2.93	2.98	2.70	2.62
Japan	12.38	15.01	17.88	18.37	18.74	19.18	19.30	19.21	NA
European Community									
France	6.98	7.64	7.92	7.85	7.49	7.41	7.20	7.05	NA
Italy	6.86	7.17	7.59	7.66	7.64	7.77	7.72	7.59	NA
United Kingdom	11.18	11.12	10.53	9.67	9.34	8.95	8.03	7.57	NA
West Germany	11.91	12.50	12.46	11.24	11.09	11.15	10.89	10.49	10.12
Communist countries									
USSR and Eastern Europe	**34.7**	**41.1**	**47.2**	**51.6**	**54.7**	**55.1**	**55.5**	NA	NA
USSR	22.62	27.45	31.59	34.05	36.50	36.89	37.24	37.61	37.79
Eastern Europe	**12.1**	**13.7**	**15.6**	**17.6**	**18.2**	**18.2**	**18.3**	NA	NA
Bulgaria	0.72	0.90	1.09	1.22	1.22	1.22	1.25	NA	NA
Czechoslovakia	2.26	2.48	2.67	2.83	2.94	2.95	2.95	2.96	NA
East Germany	2.78	2.78	2.85	3.07	3.13	3.15	3.16	3.35	NA
Hungary	1.39	1.57	1.81	1.82	1.66	1.61	1.62	1.60	1.58
Poland	3.01	3.50	4.12	4.68	4.77	4.76	4.74	4.49	NA
Romania	1.91	2.47	3.04	3.94	4.52	4.54	4.55	4.61	NA
Other									
China [b]	29.79	18.28	28.09	42.84	53.40	56.00	57.96	59.30	NA
Cuba [c]	NA	NA	0.57 [d]	0.68	0.90	0.85	0.87	0.89	NA
Vietnam [e]	0.75	0.95	1.10	1.25	2.01	2.15	2.25	2.25	2.25
Yugoslavia	1.07	1.38	1.45	1.84	2.10	2.17	2.23	NA	NA

[a] Including employment in manufacturing, mining, and construction.
[b] Yearend data.
[c] State sector only.
[d] Data are for 1971.
[e] Including South Vietnam beginning in 1979.

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Table 35

Percent

Big Seven: Unemployment Rates [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States	5.5	4.5	4.9	8.5	5.8	7.1	7.5	9.6	9.4
Canada	7.0	3.9	5.7	6.9	7.5	7.5	7.5	11.1	11.9
France	1.8	1.6	2.6	4.3	5.9	6.2	7.6	8.4	8.5
Italy [b]	3.8	3.5	3.1	3.2	3.8	3.8	4.2	4.6	5.0
Japan	1.7	1.2	1.2	1.9	2.1	2.0	2.2	2.4	2.7
United Kingdom [c]	2.2	2.2	3.1	4.1	5.7	6.5	10.0	11.7	12.4
West Germany	1.1	0.5	0.6	4.1	3.8	4.0	5.6	7.7	9.2

[a] Unemployment as a share of total civilian labor force.
[b] Data adjusted to US concepts.
[c] Excluding Northern Ireland.

Table 36

Percent

Big Seven: Personal Savings Rates [a]

	1960	1970	1975	1978	1979	1980	1981	1982	1983
United States	5.6	8.0	8.6	6.1	5.9	6.0	6.6	5.8	4.8
Canada	3.3	5.3	10.9	10.8	11.3	12.1	13.8	15.1	12.9
Japan	17.4	18.2	22.1	20.6	18.7	19.2	19.7	17.7	NA
France	9.8	16.7	18.6	17.5	16.2	14.7	15.6	15.5	NA
Italy	NA	21.6	23.2	23.8	25.3	22.0	24.0	24.0	NA
United Kingdom	7.2	9.3	12.7	12.1	12.9	14.8	12.5	10.8	8.4
West Germany	8.5	14.6	16.4	13.3	13.9	14.2	14.9	14.4	13.2

[a] Savings as a share of disposable personal income.

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Table 37

Units per US $

Foreign Trade Exchange Rates of the Communist Countries [a]

	Unit of Currency	1971	1973	1975	1976	1977	1978	1979	1980	1981	1982	1983
USSR	Ruble	0.900	0.739	0.720	0.754	0.736	0.681	0.654	0.649	0.719	0.726	0.743
Eastern Europe												
Bulgaria	Lev	1.17	0.97	0.97	0.97	0.95	0.89	0.86	0.86	0.95	0.95	0.97
Czechoslovakia	Koruna	7.20	5.84	5.58	5.77	5.64	5.42	5.31	5.38	5.80	6.09	6.37
East Germany [b]	Deutsche mark East	4.20	3.48	3.48	3.48	3.48	3.48	3.48	3.30	3.30	3.30	3.30
Hungary [c]	Forint	11.74	9.50	8.57	41.56	40.96	38.01	35.58	32.43	34.33	36.63	42.66
Poland	Zloty	4.00	3.32	3.32	3.32	3.32	3.17	3.09	3.05	3.36	84.58	91.50
Romania	Leu	6.00	4.97	4.97	4.97	4.97	4.56	4.47	4.47	15.00	15.00	15.00
Other												
Albania	Lek	5.00	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
China	Yuan	2.39	2.01	1.96	1.85	1.94	1.85	1.68	1.55	1.49	1.70	1.98
Cuba	Peso	1.00	0.84	0.83	0.83	0.82	0.79	0.75	0.72	0.71	0.78	0.86
Kampuchea	Riel	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.00	4.00
Laos	Kip	NA	NA	NA	NA	NA	NA	NA	30.00	30.00	35.00	35.00
Mongolia	Tugrik	NA	3.31	NA	NA	3.30	3.11	3.11	NA	NA	3.23	NA
North Korea [d]	Won	2.36	2.06	2.02	2.02	2.02	1.86	1.79	1.77	1.85	2.00	NA
Vietnam	Dong	NA	NA	NA	NA	2.30	2.54	2.17	2.80	9.00	9.00	9.00
Yugoslavia	Dinar	14.96	16.19	17.39	18.19	18.30	18.64	19.00	24.91	35.51	50.27	92.84

[a] Average exchange rate for the year. Some countries also have special exchange rates for noncommercial transactions, such as diplomatic, tourist, and student expenditures and for personal remittances.

[b] The unofficial rates actually used in East German accounting of foreign trade transactions. The official rate is 2.05 deutsche marks to the dollar.

[c] Since January 1976, Hungary has expressed the value of its foreign trade in domestic forints rather than diviza forints.

[d] End of year rate. Noncommercial rate through 1977; 1978 is a "special" rate for March 1978 as reported. Data for 1981-82 are estimated.

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Table 38

Percent

USSR: Percent Distribution of Gross National Product at Factor Cost,[a] by End Use

	1960	1965	1970	1975	1979	1980	1981	1982	1983 [b]
Total	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Consumption [c]	58	54	54	54	53	54	54	53	53
Investment	24	27	28	31	32	33	33	34	34
New fixed [d]	20	22	23	25	25	25	26	26	26
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	18	19	18	16	14	13	13	13	13

[a] Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding implicit amortization and capital charges and subsidies. These revised weights are then moved over time by indexes of the various end uses in constant prices.

[b] Preliminary.

[c] Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

[d] Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

Table 39

Percent

USSR: Growth of Gross National Product at Factor Cost, by End Use [a]

	Average Annual Rate of Growth								
	1961-65	1966-70	1971-75	1976-80	1979	1980	1981	1982	1983 [b]
Total	**5.1**	**5.3**	**3.7**	**2.6**	**0.2**	**1.7**	**2.1**	**2.6**	**3.0**
Consumption [c]	3.7	5.3	3.6	2.7	2.9	3.0	2.1	0.8	2.6
Investment	7.6	6.0	5.4	4.0	0.3	3.1	4.0	3.4	4.2
New fixed [d]	7.3	6.4	4.8	3.2	−0.8	1.9	3.2	3.1	3.7
Defense, administration, R&D, inventory change, net exports, and outlays n.e.c.	6.0	4.0	1.2	−0.6	−8.9	−6.6	−2.3	8.1	1.5

[a] Because of the well-known difficulties in using Soviet established prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1970 end-use weights have been revised from an established price basis to a factor cost basis by subtracting turnover taxes and profits and adding implicit amortization and capital charges and subsidies. These revised weights are then moved over time by indexes of the various end uses in constant prices.

[b] Preliminary.

[c] Including consumption of food, soft goods, durables, personal services, and personal and government outlays for education and health.

[d] Including machinery and equipment, construction and other capital outlays, and net additions to livestock.

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Table 40

Percent

USSR: Share of Gross National Product,[a] by Sector of Origin

	1965	1970	1975	1979	1980	1981	1982	1983 [b]
GNP	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Agriculture	23	21	16	15	14	14	14	14
Industry	30	32	36	36	37	37	37	37
Construction	7	7	8	8	8	8	8	8
Transportation	8	9	10	10	10	11	10	10
Communications	1	1	1	1	1	1	1	1
Trade	7	7	8	8	8	8	8	8
Services	21	20	20	20	20	20	20	20
Other	2	2	2	2	2	2	2	2

[a] Calculated at factor costs.
[b] Preliminary.

Table 41

Percent

USSR: Growth of Gross National Product,[a] by Sector of Origin

	Average Annual								
	1961-65	1966-70	1971-75	1976-80	1979	1980	1981	1982	1983 [b]
GNP	**5.1**	**5.3**	**3.7**	**2.6**	**0.2**	**1.7**	**2.1**	**2.6**	**3.0**
Agriculture [c]	3.6	3.9	−0.4	1.2	−6.3	−3.2	0.5	6.1	3.7
Industry	6.8	6.4	5.9	3.2	1.9	2.9	2.4	2.3	3.5
Construction	5.2	5.8	5.6	1.9	−1.2	2.0	2.1	0.8	3.5
Transportation	9.0	6.7	6.5	3.5	2.4	3.8	3.8	0.9	2.7
Communications	7.1	8.9	7.3	5.8	5.7	5.6	5.0	3.2	3.2
Trade	4.8	7.0	4.6	2.9	2.2	2.8	2.4	0.7	2.2
Services	4.4	4.3	3.4	2.8	3.0	3.2	2.5	2.2	2.3
Other	5.1	5.3	3.7	2.6	0.2	1.7	2.1	2.6	3.0

[a] Calculated at factor cost.
[b] Preliminary.
[c] Excluding intra-agricultural use of farm products but does not make an adjustment for purchases by agriculture from other sectors.

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Table 42

Billion Rubles

USSR: Gross Fixed Capital Investment, by Function and by Sector [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Total investment	**41.3**	**56.0**	**80.6**	**112.9**	**130.6**	**133.7**	**138.8**	**143.8**	**150.9**
By function									
Construction and installation	29.1	35.5	49.9	66.2	69.1	69.0	70.3	71.6	NA
Equipment	10.0	16.9	24.4	37.1	48.3	50.8	53.4	55.9	NA
Other capital outlays [b]	2.2	3.6	6.3	9.6	13.2	13.9	15.1	16.3	NA
By sector									
Industry [c]	14.9	20.6	28.5	39.7	45.7	47.6	49.5	50.9	NA
Ferrous metallurgy	1.4	1.8	2.0	2.8	3.2	2.8	3.1	3.2	NA
Chemicals and petrochemicals	1.0	2.2	2.4	3.8	4.5	4.0	3.8	4.0	NA
Fuels and power	4.4	6.6	8.2	11.1	14.0	15.5	16.6	17.7	NA
Machine building and metalworking	2.0	3.1	6.0	9.4	11.1	11.9	12.4	12.5	NA
Construction materials	1.2	1.0	1.7	1.9	1.9	1.9	2.0	1.8	NA
Consumer goods	2.0	2.4	3.5	4.5	4.4	4.9	5.0	5.1	NA
Other [d]	2.9	3.5	4.7	6.2	6.6	6.6	6.6	6.6	NA
Construction industry	1.2	1.5	3.0	4.4	5.3	5.4	5.4	5.9	NA
Transport and communications	4.1	5.6	8.0	12.7	16.2	16.1	16.7	17.6	NA
Agriculture	5.4	9.5	14.3	23.3	26.3	26.9	27.6	28.0	NA
Housing	9.4	9.6	13.4	16.3	17.3	17.9	19.0	20.3	NA
Other sectors [e]	6.3	9.2	13.4	16.5	19.8	19.8	20.6	21.1	NA

[a] The construction portion of gross fixed investment is reported in standard project costs ("estimate prices" in Soviet terminology) of 1 January 1976. Investment in machinery and equipment is in wholesale prices of 1 January 1973.

[b] Other capital outlays are for surveys, designs, technical documentation, and the like.

[c] Investment data for 1980-82 in the industrial sector includes expenditures of collective farms on the construction of industrial enterprises. Such expenditures were previously excluded so that the data are not strictly comparable with earlier years. However, the differential in most cases is quite small.

[d] Computed as a residual; includes investment in nonferrous metallurgy, timber, paper, woodworking, and miscellaneous other branches of industry.

[e] Computed as a residual. It includes investment in such activities as trade, material and technical supplies, services and procurements; science, education, culture, and art; health, social insurance, physical culture, tourism, commercial economy, and personal services.

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Table 43

Billion Rubles

USSR: Stock of Fixed Capital, by Sector [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Total capital stock [b]	**398**	**601**	**860**	**1,256**	**1,637**	**1,742**	**1,851**	**1,968**	**2,090**
Industry	100	168	255	385	514	554	593	634	NA
Ferrous metallurgy	10	17	26	38	47	51	53	57	NA
Chemicals and petrochemicals	5	13	23	36	51	56	60	65	NA
Fuels and power	32	51	78	112	146	157	167	178	NA
Machine building and metalworking	18	32	51	82	118	129	139	149	NA
Construction materials	6	9	14	22	29	30	32	34	NA
Consumer goods	14	22	32	47	59	62	66	70	NA
Timber, woodworking, and paper	6	9	13	18	24	25	27	28	NA
Other	9	15	18	30	40	44	49	53	NA
Construction industry	7	12	22	35	52	55	60	65	NA
Trade, public dining, material, technical supply	11	20	31	47	62	66	70	73	NA
Agriculture [b]	54	77	106	167	223	238	254	272	NA
Transport and communications	54	83	117	171	223	237	252	267	NA
Housing	120	159	204	267	323	338	354	372	NA
Services	52	82	125	184	240	254	268	285	NA

[a] The fixed capital series presented here is expressed in prices of 1973 with the value of stocks estimated as of 31 December of the respective year.

[b] Including the value of basic herds.

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Table 44

Average Annual Rate of Growth in Percent

USSR: Aggregate Factor Productivity

	1961-65 [a]	1966-70 [a]	1971-75 [a]	1976-80 [a]	1979	1980	1981	1982	1983 [b]
Gross national product [c]	**5.1**	**5.3**	**3.7**	**2.6**	**0.2**	**1.7**	**2.1**	**2.6**	**3.0**
Factor productivity	**0.6**	**1.1**	**−0.5**	**−0.8**	**−3.1**	**−1.5**	**−0.8**	**−0.5**	**NEGL**
Manhours	3.4	3.2	2.0	1.4	−0.8	0.6	1.3	1.7	2.2
Capital	−3.4	−2.0	−4.0	−4.1	−6.4	−4.6	−4.0	−3.5	−3.1
Land	4.5	5.6	2.9	2.7	−0.1	2.2	3.4	2.2	3.0
Combined inputs [d]	**4.5**	**4.1**	**4.2**	**3.5**	**3.4**	**3.2**	**3.0**	**3.1**	**3.0**
Manhours	1.6	2.0	1.7	1.1	1.0	1.0	0.8	0.9	0.8
Capital	8.8	7.4	8.0	6.9	7.0	6.5	6.4	6.3	6.3
Land	0.6	−0.3	0.8	−0.1	0.3	−0.5	−1.3	0.4	NEGL

[a] For computing average annual rates of growth, the base year is the year prior to the stated period.
[b] Preliminary.
[c] Based on indexes of GNP (1970 rubles), by sector of origin, at factor cost.
[d] Inputs of manhours, capital, and land are combined using weights of 55.8 percent, 41.2 percent, 3.0 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages, other income, and social insurance deductions), capital costs (depreciation and a calculated capital charge), and land rent in 1970, the base year for all indexes underlying the growth rate calculations.

Table 45

Average Annual Rate of Growth in Percent

USSR: Industrial Factor Productivity

	1961-65 [a]	1966-70 [a]	1971-75 [a]	1976-80 [a]	1979	1980	1981	1982	1983 [b]
Industrial production	**6.8**	**6.4**	**5.9**	**3.2**	**1.9**	**2.9**	**2.4**	**2.3**	**3.5**
Factor productivity	**−0.5**	**0.3**	**0.6**	**−1.3**	**−2.5**	**−1.1**	**−1.9**	**−1.6**	**−0.3**
Manhours	3.7	3.2	4.4	1.9	0.9	2.1	1.8	1.7	3.0
Capital	−4.2	−2.2	−2.6	−4.2	−5.5	−3.9	−5.0	−4.4	−3.2
Combined inputs [c]	**7.3**	**6.0**	**5.2**	**4.6**	**4.5**	**4.0**	**4.3**	**4.0**	**3.8**
Manhours	2.9	3.1	1.5	1.3	1.0	0.7	0.6	0.7	0.5
Capital	11.4	8.8	8.7	7.7	7.9	7.1	7.8	7.0	6.9

[a] For computing the average annual rates of growth, the base year is the year prior to the stated period.
[b] Preliminary.
[c] Inputs of manhours and capital are combined using weights of 47.8 percent and 52.2 percent, respectively, in a Cobb-Douglas (linear homogeneous) production function. These weights represent the distribution of labor costs (wages and social insurance deductions) and capital costs (depreciation and a capital charge) in 1970, the base year for all indexes underlying the growth rate calculations.

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Table 46

Average Annual Rate of Growth in Percent

USSR: Industrial Production, by Branch of Industry [a]

	1961-65 [b]	1966-70 [b]	1971-75 [b]	1976-80 [b]	1979	1980	1981	1982	1983 [c]
Industrial materials	7.1	5.8	5.4	2.3	0.1	2.1	1.8	1.4	3.5
Electricity	11.5	7.9	7.0	4.5	2.9	4.5	2.5	3.1	3.6
Fuels	6.3	5.0	5.0	3.1	2.9	1.8	1.3	1.8	1.2
Ferrous metals	7.2	5.1	4.0	0.9	−0.8	−0.4	−0.2	−0.4	4.0
Nonferrous metals	8.2	7.9	5.9	2.3	2.6	1.7	1.3	1.5	3.0
Wood, pulp, and paper products	4.0	2.6	2.6	−0.5	−3.0	0.6	1.8	0.4	3.6
Construction materials	5.4	5.8	5.4	1.1	−4.9	0.9	1.3	NEGL	3.1
Chemicals	12.0	8.9	8.6	3.6	−0.2	4.7	4.0	1.8	6.0
Total machinery	7.4	7.2	7.8	5.0	4.1	4.4	3.2	3.8	4.0
Producer durables	8.5	8.0	8.7	5.8	3.1	4.9	3.3	4.3	4.5
Consumer durables	9.8	11.5	11.2	6.6	3.4	6.9	5.3	4.6	2.0
Nondurable consumer goods	4.9	6.4	3.6	1.9	2.2	1.2	2.0	1.3	3.0
Soft goods	2.6	7.2	2.7	2.6	1.8	2.3	1.9	−0.5	1.0
Processed foods	6.9	5.8	4.2	1.3	2.5	0.4	2.0	2.8	4.7
Total industrial production	**6.8**	**6.4**	**5.9**	**3.2**	**1.9**	**2.9**	**2.4**	**2.3**	**3.5**

[a] Based on CIA estimates rather than Soviet official series. The latter are believed to contain an upward bias in rates of growth because of double-counting and disguised inflation. The branch indexes shown above are formed by combining a sample of products in which intrabranch purchases have been excluded. The indexes for industrial materials, consumer nondurables, and total industrial production are formed by combining the component branch indexes using 1970 value-added weights.

[b] The base year is the year prior to the stated period. Rates of growth are derived from unrounded data.

[c] Preliminary.

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Table 47

USSR: Hard Currency Trade, by Commodity [a]

	Million US $					Share of Total [b] Percent				
	1970	1975	1980	1981	1982	1970	1975	1980	1981	1982
Exports [c]	2,424	8,280	23,584	23,778	26,513	19	25	31	30	30
Petroleum and petroleum products	430	3,391	12,295	11,945	14,912	29	41	43	39	42
Natural gas	14	220	2,704	3,968	3,672	27	34	48	52	45
Coal and coke	106	402	366	179	133	26	29	22	11	8
Machinery and equipment	193	647	1,468	1,534	1,865	7	10	12	14	17
Ferrous metals	137	164	246	169	247	10	6	7	5	7
Wood and wood products	389	739	1,500	1,016	848	47	39	49	37	34
Chemicals	64	243	758	770	700	19	26	38	32	30
Agricultural products	192	547	458	553	454	14	23	17	19	16
Diamonds	175	478	1,304	NA	NA	NA	NA	NA	NA	NA
Other	724	1,449	2,485	3,644	3,682	18	17	17	21	18
Imports	2,984	14,577	26,070	27,883	27,501	25	39	36	38	35
Grain	101	2,323	4,548	6,378	5,441	75	87	92	88	89
Other agricultural products	657	1,760	4,717	5,320	4,437	30	27	35	39	31
Machinery and equipment	967	4,593	6,039	4,523	6,114	23	37	26	20	23
Rolled ferrous metals	303	2,627	3,606	3,597	4,247	51	79	78	84	88
Chemicals	215	722	1,646	1,590	1,457	50	54	56	53	37
Consumer goods	392	630	1,123	1,059	921	16	11	10	10	3
Other	349	1,922	4,391	5,416	4,884	20	12	48	44	36

[a] Including all countries trading with the Soviet Union on a hard currency basis as of 1 January 1980.

[b] The importance of hard currency trade is overstated for exports and understated for imports in Soviet statistics because of the artificial prices the USSR uses in its CEMA country trade.

[c] Export totals in this table do not agree with tables 48 and 49. Data in this table excludes exports not specified by partner countries (hard currency LDCs), which are believed to be deliveries of military goods.

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Million US $

Table 48

USSR: Hard Currency Trade With Non-Communist Countries, 1982-83 [a]

	1982			1983		
	Exports [b]	Imports	Balance	Exports [b]	Imports	Balance
Total	**31,977**	**27,501**	**4,476**	**32,392**	**27,697**	**4,695**
of which: Developed countries	22,703	22,208	495	23,317	21,737	1,580
of which: Australia	19	703	−684	16	546	−530
Austria	931	739	192	764	1,063	−299
Canada	29	1,879	−1,850	32	1,725	−1,693
France	3,162	1,749	1,413	3,270	2,332	938
Italy	3,952	1,687	2,265	4,048	1,939	2,109
Japan	1,044	4,038	−2,994	1,114	2,937	−1,823
Netherlands	2,163	496	1,667	1,652	661	991
Sweden	587	476	111	881	344	537
Switzerland	763	567	196	689	466	223
United Kingdom	1,122	1,038	84	1,599	853	746
United States	214	2,882	−2,668	446	2,119	−1,673
West Germany	5,239	3,910	1,329	5,093	4,386	707
Less developed countries	3,808	5,293	−1,485	3,065	5,960	−2,895
of which: Argentina	38	1,746	−1,708	35	1,754	−1,719
Brazil	248	573	−325	144	797	−653
Iraq	1,347	25	1,322	501	516	−15
Libya	305	1,554	−1,249	357	1,368	−1,011

[a] Official Soviet trade data on f.o.b. basis.
[b] Includes exports not specified by partner countries, which are believed to be deliveries of military goods.

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Table 49

Million US $

USSR: Hard Currency Balance of Payments

	1960	1965	1970	1975	1979	1980	1981	1982	1983 [a]
Trade balance	−250	−186	−320	−4,797	1,837	1,714	95	4,476	4,695
Exports, f.o.b.[b]	768	1,374	2,664	9,780	23,272	27,784	27,978	31,977	32,392
Imports, f.o.b.	1,018	1,560	2,984	14,577	21,435	26,070	27,778	27,501	27,697
Net interest	−5	−15	−80	−570	−800	−710	−1,300	−1,500	−1,300
Other invisibles and hard currency trade not included elsewhere [c]	−65	−45	500	760	1,140	900	1,000	1,100	1,100
Current account balance	**−320**	**−246**	**100**	**−4,607**	**2,177**	**1,904**	**−205**	**4,076**	**4,495**
Borrowing from abroad [d]	90	40	290	5,400	1,675	−185	3,000	−865	560
Change in assets [e]	0	0	−25	395	−2,825	235	140	−1,575	400
Gold sales	200	550	0	725	1,490	1,580	2,700	1,100	750
Capital account balance	**290**	**590**	**265**	**6,520**	**340**	**1,630**	**5,840**	**−1,340**	**1,710**
Errors and omissions [f]	30	−344	−365	−1,913	−2,517	−3,534	−5,635	−2,736	−6,205

[a] Estimated.
[b] Including military exports to the LDCs.
[c] Including estimated net receipts from tourism, transportation, and official transfers.
[d] Soviet drawings less repayments on Western credits.
[e] Net change in Soviet assets held with Western commercial banks.
[f] Including Soviet hard currency aid to and trade with other CEMA countries and trade credits extended to finance Soviet exports—including arms—to non-Communist hard currency trade partners.

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Billion US $

Table 50

USSR: Hard Currency Debt to the West

	1971	1975	1976	1977	1979	1980	1981	1982	1983 [a]
Commercial debt	0.4	6.9	9.7	9.8	10.5	10.0	13.0	11.3	11.5
Government-backed debt	1.4	3.6	5.0	5.8	7.6	7.8	7.9	8.7	9.0
Gross debt	1.8	10.5	14.7	15.6	18.1	17.8	20.9	20.0	20.5
Assets with Western banks	1.2	3.1	4.7	4.4	8.8	8.6	8.4	10.0	9.6
Net debt	0.6	7.4	10.0	11.2	9.3	9.2	12.5	10.0	10.9
Debt service	0.3	1.8	2.4	3.1	4.2	4.7	5.4	5.8	6.0
Debt-service ratio *(percent)* [b]	10	15	16	17	16	15	17	16	17

[a] Estimated.
[b] Debt service as a share of commodity export earnings plus sales of arms, gold, interest receipts, net invisibles, and transfers.

Million Troy Ounces

Table 51

USSR: Gold Production and Reserves

	Production	Reserves		Production	Reserves
1965	5.33	29.61	1975	8.29	61.08
1967	5.94	36.84	1976	8.87	57.77
1968	6.23	41.37	1977	9.19	54.72
1969	6.59	46.77	1978	9.54	49.08
1970	7.00	52.43	1979	9.87	50.83
1971	7.20	57.77	1980	10.20	58.22
1972	7.81	59.22	1981	10.50	60.72
1973	8.03	56.16	1982	10.60	68.10
1974	8.42	59.02	1983	10.70	76.87

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Table 52

Million US $

Exports by Selected Non-Communist Countries [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**84,723**	**127,088**	**222,485**	**574,593**	**1,062,424**	**1,252,134**	**1,231,650**	**1,168,903**	NA
United States	20,601	27,530	43,241	108,112	182,025	220,786	233,739	212,276	200,538
Australia	2,050	3,005	4,771	11,943	18,667	22,031	21,767	21,987	20,706
Austria	1,120	1,600	2,857	7,519	15,481	17,489	15,841	15,642	15,428
Canada	5,813	8,449	16,747	34,080	58,297	67,730	72,726	70,451	76,745
Japan	4,055	8,452	19,318	55,727	102,299	130,441	151,495	138,403	146,958
New Zealand	847	1,007	1,223	2,160	4,706	5,421	5,618	5,551	5,281
Norway	881	1,443	2,457	7,232	13,546	18,542	18,217	17,586	17,977
Portugal	327	577	950	1,939	3,593	4,628	4,180	4,167	4,575
Spain	725	935	2,388	7,691	18,208	20,720	20,335	20,498	19,734
Sweden	2,565	3,971	6,795	17,384	27,602	30,911	28,627	26,786	27,420
Switzerland	1,859	2,941	5,063	12,953	26,538	29,632	27,049	26,019	25,591
Turkey	321	464	588	1,401	2,261	2,910	4,703	5,746	5,728
European Community	**42,487**	**65,158**	**113,634**	**300,642**	**577,239**	**665,816**	**612,443**	**590,016**	NA
Belgium-Luxembourg	3,792	6,394	11,600	28,802	56,700	64,654	55,691	52,353	NA
Denmark	1,494	2,320	3,356	8,712	14,696	16,982	16,095	15,382	16,026
France	6,867	10,176	18,098	53,118	100,691	116,016	106,425	96,688	94,943
Greece	203	328	643	2,278	3,885	5,153	4,246	4,298	4,413
Ireland	426	619	1,120	3,193	7,132	8,400	7,677	8,067	8,590
Italy	3,653	7,200	13,207	34,816	72,232	77,673	75,264	73,497	72,720
Netherlands	4,028	6,398	11,774	35,024	63,702	73,940	68,715	66,314	65,521
United Kingdom	10,609	13,810	19,608	44,523	86,397	110,137	102,240	96,982	91,643
West Germany	11,415	17,913	34,228	90,176	171,804	192,861	176,090	176,435	169,440
OPEC	**7,390**	**10,299**	**16,835**	**113,449**	**211,511**	**298,628**	**277,690**	NA	NA
Algeria	394	637	1,009	4,691	9,481	13,660	14,134	NA	NA
Ecuador	146	164	221	987	2,104	2,481	2,542	2,139	2,203
Gabon	47	105	143	943	1,848	2,173	2,201	2,161	NA
Indonesia	841	708	1,108	7,102	15,590	23,950	25,164	22,293	21,146
Iran	844	1,305	2,624	20,211	19,976	14,107	12,612	16,445	19,498
Iraq	467	710	847	8,297	21,431	26,278	10,530	10,250	9,785
Kuwait	962	1,284	1,693	9,185	18,404	19,666	16,157	9,871	12,407
Libya	11	796	2,366	6,840	16,085	21,919	15,576	13,948	11,392
Nigeria	475	741	1,240	7,776	17,793	26,762	19,707	16,561	11,598
Qatar	126	163	237	1,809	3,733	5,672	5,691	4,252	3,381
Saudi Arabia	772	1,258	2,204	29,838	57,154	101,991	113,011	75,814	46,978

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Table 52 (continued)

Million US $

Exports by Selected Non-Communist Countries [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OPEC (continued)									
United Arab Emirates	NA	NA	510	6,970	13,595	20,748	20,240	16,837	13,950
Venezuela	2,305	2,428	2,633	8,800	14,317	19,221	20,125	16,499	15,002
Other countries									
Argentina	1,079	1,493	1,773	2,961	7,810	8,021	9,143	7,625	NA
Brazil	1,268	1,596	2,739	8,670	15,244	20,132	23,293	20,175	21,899
Chile	488	637	1,249	1,552	3,894	4,671	3,906	3,710	3,836
China (Taiwan)	164	450	1,428	5,301	16,070	19,774	22,517	22,090	25,094
Colombia	465	539	736	1,465	3,300	3,945	2,956	3,095	3,001
Dominican Republic	180	126	249	894	869	962	1,188	768	782
Egypt	568	605	762	1,402	1,840	3,047	3,233	3,120	NA
El Salvador	117	189	236	531	1,131	1,074	797	704	NA
Guatemala	116	187	298	641	1,270	1,557	1,249	1,169	NA
Hong Kong	689	1,143	2,515	6,010	15,147	19,720	21,743	20,984	21,954
India	1,332	1,687	2,026	4,355	7,806	8,586	8,295	9,358	8,512
Israel	217	430	779	1,941	4,546	5,538	5,670	5,254	5,064
Jamaica	159	214	342	835	818	963	974	726	713
Lebanon	43	87	192	1,121	773	868	836	755	NA
Malaysia	1,186	1,236	1,686	3,831	11,079	12,945	11,775	12,031	14,130
Mexico	765	1,120	1,403	2,904	8,982	15,570	19,383	21,580	21,119
Morocco	354	430	488	1,543	1,959	2,441	2,386	2,062	2,006
Pakistan	394	528	398	1,052	2,056	2,618	2,883	2,397	3,077
Peru	444	685	1,034	1,292	3,491	3,898	3,255	3,293	3,015
Philippines	624	698	1,041	2,295	4,567	5,741	5,655	4,968	4,890
Singapore	1,136	981	1,554	5,376	14,233	19,375	20,967	20,788	21,833
South Africa [b]	1,995	2,585	3,355	8,959	18,394	25,676	20,858	17,727	18,608
South Korea	33	175	835	5,081	15,055	17,505	21,254	21,853	24,445
Sri Lanka	385	409	342	566	981	1,062	1,088	1,031	1,063
Syria	113	169	203	930	1,644	2,108	2,103	2,026	NA
Thailand	411	622	710	2,208	5,298	6,505	7,031	6,945	6,368

[a] Data are from the International Monetary Fund, *International Financial Statistics*. Exports are f.o.b.
[b] Including data for Botswana, Lesotho, Swaziland, and Namibia.

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Table 53

Million US $

Imports by Selected Non-Communist Countries [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**87,235**	**134,021**	**231,701**	**603,545**	**1,164,503**	**1,397,511**	**1,326,362**	**1,248,521**	NA
United States	16,381	23,233	42,695	105,880	222,228	256,984	273,352	254,884	269,878
Australia	2,662	3,763	5,056	11,097	18,231	22,479	26,223	26,678	21,460
Austria	1,416	2,101	3,549	9,394	20,252	24,444	21,043	19,502	19,367
Canada	6,161	8,682	14,255	36,218	56,957	62,834	70,342	58,361	65,052
Japan	4,491	8,168	18,881	57,842	109,831	141,295	142,866	131,516	126,434
New Zealand	786	1,052	1,245	3,152	4,553	5,472	5,734	5,782	5,271
Norway	1,463	2,211	3,702	9,705	13,706	16,926	15,650	15,475	13,482
Portugal	545	924	1,583	3,841	6,776	9,502	9,951	9,514	8,131
Spain	722	3,040	4,747	16,264	25,438	34,078	32,154	31,466	29,193
Sweden	2,901	4,377	7,007	17,450	28,735	33,497	28,834	27,554	26,080
Switzerland	2,206	3,642	6,374	13,303	29,356	36,341	30,682	28,678	29,192
Turkey	468	572	948	4,739	5,069	7,909	8,933	8,843	9,232
European Community	**45,862**	**70,473**	**118,866**	**306,550**	**611,147**	**729,114**	**645,370**	**615,924**	NA
Belgium-Luxembourg	3,970	6,502	11,412	30,781	60,913	71,863	62,464	58,236	NA
Denmark	1,805	2,823	4,407	10,368	18,402	19,428	17,575	16,691	16,256
France	6,282	10,384	19,132	53,964	107,008	134,873	120,953	115,708	105,416
Greece	702	1,134	1,958	5,321	9,614	10,548	8,810	10,026	9,500
Ireland	634	1,041	1,624	3,778	9,883	11,153	10,608	9,707	9,156
Italy	4,732	7,378	14,969	38,535	77,893	99,662	91,102	86,218	80,374
Netherlands	4,531	7,471	13,426	35,532	68,188	78,040	67,234	64,255	62,574
United Kingdom	13,034	16,128	21,991	53,341	99,600	115,545	102,710	99,713	100,181
West Germany	10,172	17,612	29,947	74,930	159,646	188,002	163,914	155,370	152,940
OPEC	**5,403**	**6,359**	**9,916**	**52,040**	**98,751**	**133,045**	**156,485**	**166,229**	NA
Algeria	1,264	672	1,257	6,008	8,403	10,826	11,269	10,574	10,340
Ecuador	114	165	274	987	1,600	2,253	2,246	1,989	1,465
Gabon	32	63	80	445	532	673	843	724	722
Indonesia	574	695	1,002	4,770	7,202	10,834	13,272	16,859	16,423
Iran	560	859	1,662	10,343	9,738	12,246	12,499	18,119	18,256
Iraq	389	457	510	4,214	7,230	14,067	20,922	21,280	12,040
Kuwait	242	377	625	2,390	5,200	6,529	6,978	9,012	8,278
Libya	169	320	555	3,542	5,311	6,777	8,015	8,305	7,340
Nigeria	604	770	1,059	6,041	10,231	16,661	20,895	14,770	8,512
Qatar	32	70	65	413	1,425	1,440	1,526	1,951	1,456
Saudi Arabia	234	506	711	4,214	24,257	30,166	35,268	40,653	NA

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Table 53 (continued)

Million US $

Imports by Selected Non-Communist Countries [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OPEC (continued)									
United Arab Emirates	NA	NA	267	2,669	6,952	8,746	9,646	9,419	8,932
Venezuela	1,189	1,405	1,849	6,004	10,670	11,827	13,106	12,574	8,422
Other countries									
Argentina	1,249	1,199	1,694	3,947	6,700	10,541	9,430	5,337	NA
Brazil	1,462	1,096	2,849	13,592	19,804	24,961	24,079	21,059	16,801
Chile	526	604	941	1,338	4,218	5,124	6,364	3,528	2,754
China (Taiwan)	297	558	1,528	5,960	14,509	19,498	20,583	18,130	19,077
Colombia	519	454	843	1,495	3,233	4,663	5,199	5,478	4,963
Dominican Republic	100	97	304	889	1,213	1,640	1,668	1,444	1,462
Egypt	668	934	787	3,934	3,837	4,860	8,782	9,078	NA
El Salvador	122	201	213	598	1,039	962	985	883	NA
Guatemala	121	229	284	733	1,504	1,598	1,674	1,388	1,133
Hong Kong	1,026	1,569	2,905	6,757	17,137	22,395	24,693	23,553	24,013
India	2,303	2,838	2,124	6,381	9,827	14,864	15,418	14,786	13,323
Israel	556	829	2,117	6,099	8,668	9,715	10,220	9,650	9,427
Jamaica	217	289	525	1,124	993	1,171	1,473	1,372	1,480
Lebanon	290	543	653	2,048	2,700	3,650	3,499	3,337	NA
Malaysia	910	1,097	1,418	3,554	7,849	10,779	11,550	12,395	13,207
Mexico	1,187	1,560	2,461	6,571	12,086	19,460	24,068	15,288	8,207
Morocco	413	453	684	2,567	3,678	4,255	4,400	4,315	3,592
Pakistan	654	1,047	731	2,158	4,056	5,350	5,631	5,465	5,329
Peru	379	730	622	2,551	1,820	2,500	3,447	3,601	2,510
Philippines	715	894	1,236	3,756	6,571	8,295	8,469	8,272	7,959
Singapore	1,332	1,224	2,461	8,133	17,635	24,003	27,572	28,167	28,158
South Africa [b]	1,629	2,563	3,843	8,293	8,987	19,243	22,617	18,575	15,704
South Korea	344	463	1,984	7,274	20,339	22,292	26,131	24,251	26,192
Sri Lanka	413	310	386	753	1,451	2,057	1,905	2,015	1,821
Syria	239	213	361	1,685	3,329	4,124	5,040	4,015	NA
Thailand	447	742	1,299	3,280	7,158	9,214	9,955	8,549	10,232

[a] Data are from the International Monetary Fund, *International Financial Statistics*. Imports are c.i.f.
[b] Including data for Botswana, Lesotho, Swaziland, and Namibia.

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Table 54

Million US $

Trade Balance of Selected Non-Communist Countries

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**−2,512**	**−6,933**	**−9,216**	**−28,952**	**−102,079**	**−145,377**	**−94,712**	**−79,618**	NA
United States	4,220	4,297	546	2,232	−40,203	−36,198	−39,613	−42,608	−69,340
Australia	−612	−758	−285	846	436	−448	−4,456	−4,691	−754
Austria	−296	−501	−692	−1,875	−4,771	−6,955	−5,202	−3,860	−3,939
Canada	−348	−233	2,492	−2,138	1,340	4,896	2,384	12,090	11,693
Japan	−436	284	437	−2,113	−7,532	−10,854	8,629	6,887	20,524
New Zealand	61	−45	−22	−992	−153	−51	−116	−231	10
Norway	−582	−768	−1,245	−2,473	−160	1,616	2,567	2,111	4,495
Portugal	−218	−347	−633	−1,902	−3,183	−4,874	−5,771	−5,347	−3,556
Spain	3	−2,105	−2,359	−8,573	−7,230	−13,358	−11,819	−10,968	−9,459
Sweden	−336	−406	−212	−66	−1,133	−2,586	−207	−768	1,340
Switzerland	−347	−701	−1,311	−350	−2,818	−6,709	−3,633	−2,659	−3,601
Turkey	−147	−108	−360	−3,338	−2,808	−4,999	−4,230	−3,097	−3,504
European Community	**−3,375**	**−5,315**	**−5,232**	**−5,908**	**−33,908**	**−63,298**	**−32,927**	**−25,908**	NA
Belgium-Luxembourg	−178	−108	188	−1,979	−4,213	−7,209	−6,773	−5,883	NA
Denmark	−311	−503	−1,051	−1,656	−3,706	−2,446	−1,480	−1,309	−230
France	585	−208	−1,034	−846	−6,317	−18,857	−14,528	−19,020	−10,473
Greece	−499	−806	−1,315	−3,043	−5,729	−5,395	−4,564	−5,728	−5,087
Ireland	−208	−422	−504	−585	−2,751	−2,753	−2,931	−1,640	−566
Italy	−1,079	−178	−1,762	−3,719	−5,661	−21,989	−15,838	−12,721	−7,654
Netherlands	−503	−1,073	−1,652	−508	−4,486	−4,100	1,481	2,059	2,947
United Kingdom	−2,425	−2,318	−2,383	−8,818	−13,203	−5,408	−470	−2,731	−8,538
West Germany	1,243	301	4,281	15,246	12,158	4,859	12,176	21,065	16,500
OPEC	**2,031**	**4,194**	**7,510**	**61,409**	**112,760**	**165,583**	**121,205**	NA	NA
Algeria	−870	−35	−248	−1,317	1,078	2,834	2,865	NA	NA
Ecuador	32	−1	−53	0	504	228	296	150	738
Gabon	15	42	63	498	1,316	1,500	1,358	1,437	NA
Indonesia	267	13	106	2,332	8,388	13,116	11,892	5,434	4,723
Iran	284	446	962	9,868	10,238	1,861	113	−1,674	1,242
Iraq	78	253	337	4,083	14,201	12,211	−10,392	−11,030	−2,255
Kuwait	720	907	1,068	6,795	13,204	13,137	9,179	859	4,129
Libya	−158	476	1,811	3,298	10,774	15,142	7,561	5,643	4,022
Nigeria	−129	−29	181	1,735	7,562	10,101	−1,188	1,791	3,086
Qatar	94	93	172	1,396	2,308	4,232	4,165	2,301	1,925

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Table 54 (continued)

Trade Balance by Selected Non-Communist Countries [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OPEC (continued)									
Saudi Arabia	538	752	1,493	25,624	32,897	71,825	77,743	35,161	NA
United Arab Emirates	NA	NA	243	4,301	6,643	12,002	10,594	7,418	5,018
Venezuela	1,116	1,023	784	2,796	3,647	7,394	7,019	3,925	6,580
Other countries									
Argentina	−170	294	79	−986	1,110	−2,520	−287	2,288	NA
Brazil	−194	500	−110	−4,922	−4,560	−4,829	−786	−894	5,098
Chile	−38	33	308	214	−324	−453	−2,458	182	1,082
China (Taiwan)	−133	−108	−100	−659	1,561	276	1,934	3,960	6,017
Colombia	−54	85	−107	−30	67	−718	−2,243	−2,383	−1,962
Dominican Republic	80	29	−55	5	−344	−678	−480	−676	−680
Egypt	−100	−329	−25	−2,532	−1,997	−1,813	−5,549	−5,958	NA
El Salvador	−5	−12	−23	−67	92	112	188	−179	NA
Guatemala	−5	−42	14	−92	−234	−41	−425	−219	NA
Hong Kong	−337	−426	−390	−747	−1,990	−2,675	−2,950	−2,569	−2,059
India	−971	−1,151	−98	−2,026	−2,021	−6,278	−7,123	−5,428	−4,811
Israel	−339	−399	−1,338	−4,158	−4,122	−4,177	−4,550	−4,396	−4,363
Jamaica	−58	−75	−183	−289	−175	−208	−499	−646	−767
Lebanon	−247	−456	−461	−927	−1,927	−2,782	−2,663	−2,582	NA
Malaysia	276	139	268	277	3,230	2,166	225	−364	923
Mexico	−422	−440	−1,058	−3,667	−3,104	−3,890	−4,685	6,292	12,912
Morocco	−59	−23	−196	−1,024	−1,719	−1,814	−2,014	−2,253	−1,586
Pakistan	−260	−519	−333	−1,106	−2,000	−2,732	−2,748	−3,068	−2,252
Peru	65	−45	412	−1,259	1,671	1,398	−192	−308	505
Philippines	−91	−196	−195	−1,461	−2,004	−2,554	−2,814	−3,304	−3,069
Singapore	−196	−243	−907	−2,757	−3,402	−4,628	−6,605	−7,379	−6,325
South Africa [a]	366	22	−488	666	9,407	6,433	−1,759	−848	2,904
South Korea	−311	−288	−1,149	−2,193	−5,284	−4,787	−4,877	−2,398	−1,747
Sri Lanka	−28	99	−44	−187	−470	−995	−817	−984	−758
Syria	−126	−44	−158	−755	−1,685	−2,016	−2,937	−1,989	NA
Thailand	−36	−120	−589	−1,072	−1,860	−2,709	−2,924	−1,604	−3,864

[a] Including data for Botswana, Lesotho, Namibia, and Swaziland.

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Table 55

Million US $

Big Seven: Direction of Trade [a]

	Exports to (f.o.b.)						Imports from (c.i.f.)					
	World	Big Seven	Other OECD	OPEC	Com-munist	Other	World	Big Seven	Other OECD	OPEC	Com-munist	Other
United States												
1977	119,508	54,561	18,979	14,019	2,747	29,201	156,393	70,789	11,252	38,228	1,445	34,678
1978	141,423	62,872	21,264	16,655	4,535	36,096	180,351	87,466	14,651	35,579	1,984	40,672
1979	178,735	79,769	28,780	15,110	7,418	47,659	215,903	97,799	16,643	48,227	2,684	50,549
1980	216,445	92,836	34,893	17,763	7,648	63,304	249,592	107,737	19,386	58,091	2,735	61,643
1981	229,434	96,803	35,465	21,533	7,963	67,669	264,720	123,652	20,498	51,793	3,766	65,011
1982	207,907	86,349	33,274	22,862	6,558	58,864	245,295	124,238	20,302	32,731	3,671	64,352
1983	195,869	89,365	30,752	16,905	5,088	53,758	257,769	134,361	20,983	26,493	3,956	71,976
Japan												
1977	78,508	28,039	9,720	12,026	5,334	23,389	70,028	18,880	7,923	24,325	3,412	15,487
1978	94,721	34,903	10,432	14,244	6,928	28,213	78,136	22,958	9,287	24,671	4,004	17,217
1979	97,952	37,548	10,167	13,272	7,479	29,485	107,377	30,676	10,761	36,049	5,484	24,407
1980	125,249	46,940	13,197	18,597	9,489	37,026	138,975	36,035	11,566	56,753	6,902	27,719
1981	146,101	56,115	15,560	22,824	9,770	41,833	140,358	36,891	12,608	54,866	7,872	28,120
1982	134,188	52,370	14,189	21,774	8,525	37,331	129,128	34,970	11,512	48,470	7,516	26,660
1983	141,900	60,716	14,728	19,077	9,059	38,320	123,900	35,860	11,995	42,202	7,103	26,741
West Germany												
1977	117,781	39,003	48,006	10,777	7,304	12,690	100,886	36,391	37,372	10,119	4,922	12,082
1978	142,265	48,522	56,947	12,254	8,887	15,654	121,145	45,043	46,300	9,683	6,329	13,791
1979	171,543	61,682	69,829	10,486	10,402	19,143	158,955	58,748	58,954	14,787	8,819	17,645
1980	192,278	69,998	77,540	12,545	10,785	21,410	186,807	69,543	67,176	20,590	9,623	19,875
1981	175,540	63,416	66,924	15,398	8,777	21,025	162,828	62,056	58,711	16,645	8,565	16,850
1982	175,885	65,868	66,878	15,693	8,519	18,927	154,442	58,976	56,653	13,514	8,837	16,461
1983	168,894	64,536	65,152	12,403	8,912	17,890	151,935	58,444	58,375	10,687	8,723	15,707
France												
1977	64,801	25,906	18,182	5,964	2,990	11,759	70,352	30,279	18,244	11,815	2,462	7,553
1978	79,163	32,747	21,705	6,501	3,290	14,920	81,611	36,564	22,129	11,887	2,807	8,224
1979	100,381	42,012	28,062	7,606	4,528	18,173	106,708	47,009	28,434	16,653	3,712	10,900
1980	115,679	46,227	31,694	9,831	5,284	22,643	134,469	56,336	33,760	25,133	5,813	13,426
1981	106,103	41,199	27,317	10,895	4,521	22,172	120,543	50,165	29,731	22,332	5,527	12,789
1982	96,215	37,902	25,255	10,221	3,306	19,530	115,320	50,554	29,113	18,397	4,848	12,408

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Table 55 (continued)

Million US $

Big Seven: Direction of Trade [a]

	Exports to (f.o.b.)						Imports from (c.i.f.)					
	World	Big Seven	Other OECD	OPEC	Com-munist	Other	World	Big Seven	Other OECD	OPEC	Com-munist	Other
France (continued)												
1983	94,561	38,638	24,717	8,714	3,998	18,495	105,060	47,398	28,040	13,366	4,554	11,703
United Kingdom												
1977	55,632	17,298	20,387	6,820	1,630	9,496	62,428	24,146	20,738	6,352	1,980	9,212
1978	67,683	20,139	24,973	8,437	2,111	12,023	75,543	30,586	26,158	6,377	2,555	9,867
1979	86,148	29,889	32,308	6,981	2,610	14,360	99,141	42,247	35,209	6,723	2,582	12,380
1980	109,855	38,296	40,134	10,330	3,146	17,949	115,190	48,795	39,230	9,898	2,547	14,717
1981	102,019	37,351	35,201	11,079	2,367	16,021	101,994	44,196	36,286	7,237	2,058	12,217
1982	96,716	36,571	33,359	10,189	1,813	14,784	98,980	44,133	35,202	5,715	2,326	11,604
1983	91,435	36,460	31,973	7,986	1,758	13,258	99,338	46,022	35,816	3,974	2,343	11,181
Italy												
1977	45,260	21,024	10,265	5,872	2,464	5,634	48,012	21,103	8,801	9,049	2,822	6,236
1978	55,967	27,012	12,260	7,028	2,737	6,930	56,327	25,348	10,701	10,004	3,200	7,074
1979	72,100	35,032	16,723	7,767	3,062	9,516	77,652	34,376	14,979	13,597	4,365	10,335
1980	77,540	36,082	17,382	9,815	3,115	11,146	99,125	44,002	18,496	17,667	5,866	13,094
1981	75,130	32,666	15,116	12,804	2,902	11,642	90,819	37,480	16,241	19,491	5,190	12,416
1982	73,357	33,796	15,330	10,670	2,745	10,815	85,961	35,721	16,240	17,357	5,703	10,938
1983	72,579	34,370	15,428	9,883	3,063	9,834	80,138	32,420	16,561	14,856	5,738	10,563
Canada												
1977	43,485	34,987	2,196	1,198	1,078	4,026	44,765	35,945	1,788	3,053	336	3,644
1978	48,339	38,602	2,059	1,333	1,425	4,920	49,158	40,067	1,972	2,913	373	3,833
1979	58,207	45,700	3,034	1,382	1,732	6,359	60,347	49,079	2,368	3,252	537	5,110
1980	67,515	50,631	4,332	1,813	2,838	7,900	66,581	52,443	2,671	4,902	549	6,014
1981	72,530	55,456	3,903	2,044	2,969	8,157	74,121	58,376	2,855	5,180	666	7,043
1982	70,201	54,644	3,426	2,113	3,288	6,730	61,798	49,874	2,437	2,753	460	6,274
1983	76,468	61,700	2,906	1,564	3,269	7,028	68,754	57,000	2,689	1,877	457	6,731

[a] Data are from the International Monetary Fund, *Direction of Trade*. Country totals in this table do not agree with totals in Tables 52 and 53 because of different practices of reporting data in the *International Financial Statistics* and the *Direction of Trade*.

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Table 56

Million US $

Big Seven: Exports, by Commodity

	1970	1975	1979	1980	1981	1982
Big Seven	**163,218**	**415,790**	**766,986**	**904,097**	**904,611**	**854,284**
Foodstuffs	15,946	44,765	75,996	90,033	93,414	83,686
Raw materials	13,319	24,164	45,798	58,043	46,873	40,281
Fuels	5,274	18,085	36,399	48,554	56,085	57,430
Manufactures	124,555	318,916	589,682	683,801	689,529	653,577
Other	4,124	9,862	19,115	23,671	18,717	19,316
United States	**43,226**	**107,652**	**176,788**	**216,916**	**230,506**	**210,929**
Foodstuffs	6,919	21,105	33,259	39,392	42,262	35,711
Raw materials	4,114	7,538	15,310	20,063	15,135	13,338
Fuels	1,695	4,481	5,687	8,134	10,294	12,777
Manufactures	28,762	70,961	117,406	143,411	156,537	142,200
Other	1,736	3,568	5,127	5,917	6,279	6,903
Canada	**16,185**	**32,300**	**55,117**	**63,105**	**68,281**	**66,977**
Foodstuffs	1,975	4,399	6,287	7,773	8,775	8,987
Raw materials	4,850	7,450	13,224	15,519	14,300	12,167
Fuels	978	5,334	7,281	9,010	9,451	9,601
Manufactures	8,262	14,842	28,040	30,487	35,032	35,839
Other	119	276	286	316	723	382
Japan	**19,319**	**55,728**	**102,964**	**129,544**	**151,911**	**138,584**
Foodstuffs	674	808	1,323	1,704	1,837	1,492
Raw materials	433	1,262	1,520	2,218	1,731	1,442
Fuels	48	220	356	504	554	411
Manufactures	17,965	52,638	98,651	123,707	146,424	133,879
Other	200	800	1,114	1,411	1,365	1,361

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Table 56 (continued)

Million US $

Big Seven: Exports, by Commodity

	1970	1975	1979	1980	1981	1982
West Germany	**34,189**	**90,021**	**171,437**	**191,647**	**175,284**	**175,456**
Foodstuffs	1,188	4,241	8,598	10,146	10,227	9,814
Raw materials	1,192	2,643	5,246	6,512	5,007	4,391
Fuels	1,011	2,813	5,685	7,143	6,973	6,473
Manufactures	30,232	78,706	148,695	162,431	147,556	149,326
Other	565	1,618	3,213	5,415	5,523	5,453
France	**17,739**	**51,604**	**97,959**	**110,865**	**101,246**	**92,358**
Foodstuffs	2,803	8,069	14,538	17,796	17,216	15,239
Raw materials	1,199	2,628	4,920	5,853	4,649	3,869
Fuels	376	1,410	3,490	4,485	4,724	3,661
Manufactures	13,147	39,052	74,576	82,102	74,134	69,087
Other	214	445	434	630	525	503
United Kingdom	**19,351**	**43,660**	**90,485**	**114,381**	**102,136**	**96,542**
Foodstuffs	1,259	3,221	6,400	7,774	7,500	6,989
Raw materials	1,190	1,961	4,296	6,417	4,387	3,855
Fuels	496	1,798	9,145	14,882	19,364	19,517
Manufactures	15,151	33,682	62,474	76,015	66,663	61,865
Other	1,253	2,998	8,171	9,293	4,223	4,318
Italy	**13,210**	**34,825**	**72,237**	**77,640**	**75,246**	**73,438**
Foodstuffs	1,127	2,921	5,592	5,448	5,597	5,454
Raw materials	341	682	1,282	1,462	1,664	1,220
Fuels	669	2,030	4,754	4,395	4,725	4,991
Manufactures	11,036	29,035	59,839	65,646	63,181	61,379
Other	37	157	770	689	80	395

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Table 57

Million US $

Big Seven: Imports, by Commodity

	1970	1975	1979	1980	1981	1982
Big Seven	**157,592**	**408,071**	**823,350**	**984,149**	**950,059**	**889,979**
Foodstuffs	27,228	60,387	101,174	106,733	101,677	97,838
Raw materials	27,828	45,582	87,011	100,854	82,893	72,611
Fuels	17,018	101,364	198,331	280,218	284,271	245,788
Manufactures	81,261	190,483	416,861	471,370	462,470	454,534
Other	4,260	10,255	19,984	24,985	18,759	19,217
United States	**39,962**	**96,941**	**217,455**	**250,280**	**271,213**	**253,033**
Foodstuffs	6,446	10,518	19,955	20,572	20,910	19,902
Raw materials	4,687	8,116	16,253	17,503	17,257	13,055
Fuels	3,081	26,403	63,735	82,204	84,261	67,424
Manufactures	23,988	48,526	111,907	123,081	140,986	144,630
Other	1,761	3,377	5,608	6,921	7,800	8,024
Canada	**13,348**	**33,954**	**52,622**	**57,707**	**64,897**	**54,259**
Foodstuffs	1,153	2,817	3,837	4,301	4,554	4,186
Raw materials	727	1,578	2,701	3,635	3,384	2,610
Fuels	749	4,090	4,884	7,143	7,953	5,473
Manufactures	10,518	25,071	40,422	41,638	47,866	40,920
Other	202	397	778	990	1,140	1,071
Japan	**18,883**	**57,840**	**110,108**	**139,892**	**140,830**	**130,319**
Foodstuffs	3,195	10,344	16,611	16,849	18,247	16,576
Raw materials	7,188	11,421	23,509	26,120	22,073	21,039
Fuels	3,906	25,641	45,286	69,991	72,563	65,618
Manufactures	4,381	9,849	22,783	25,204	26,091	25,409
Other	213	584	1,922	1,729	1,859	1,678

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Table 57 (continued)

Million US $

Big Seven: Imports, by Commodity

	1970	1975	1979	1980	1981	1982
West Germany	**29,814**	**74,208**	**157,682**	**185,922**	**162,691**	**154,049**
Foodstuffs	5,524	12,092	20,864	22,749	20,343	19,576
Raw materials	5,109	8,095	14,823	17,798	13,378	12,263
Fuels	2,627	13,099	30,957	41,904	39,802	36,427
Manufactures	15,608	38,760	87,197	98,269	85,458	81,763
Other	947	2,163	3,843	5,204	3,713	4,022
France	**18,922**	**53,606**	**106,711**	**134,328**	**120,279**	**115,454**
Foodstuffs	2,798	6,921	12,765	13,815	12,406	12,231
Raw materials	2,675	5,050	8,962	10,737	8,503	7,310
Fuels	2,291	12,260	22,949	35,726	34,671	30,827
Manufactures	11,103	29,210	61,380	72,869	64,083	64,711
Other	55	165	657	1,184	617	376
United Kingdom	**21,724**	**53,595**	**102,613**	**117,902**	**101,153**	**99,032**
Foodstuffs	5,267	10,345	15,092	15,564	14,265	13,699
Raw materials	4,342	6,048	9,633	12,437	8,904	7,710
Fuels	2,270	9,613	12,174	15,912	14,280	12,868
Manufactures	8,804	24,180	58,894	65,474	60,278	61,364
Other	1,042	3,409	6,822	8,517	3,427	3,392
Italy	**14,939**	**37,928**	**76,158**	**98,119**	**88,996**	**83,834**
Foodstuffs	2,846	7,350	12,050	12,883	10,952	11,669
Raw materials	3,100	5,274	11,130	12,624	9,394	8,625
Fuels	2,095	10,258	18,346	27,338	30,741	27,150
Manufactures	6,859	14,888	34,278	44,836	37,708	35,737
Other	40	159	354	439	203	654

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Table 58

Million US $

Big Seven: Trade Balance, by Commodity

	1970	1975	1979	1980	1981	1982
Big Seven	**5,626**	**7,719**	**−56,364**	**−80,053**	**−45,448**	**−35,695**
Foodstuffs	−11,282	−15,622	−25,178	−16,700	−8,263	−14,152
Raw materials	−14,508	−21,418	−41,212	−42,811	−36,020	−32,330
Fuels	−11,744	−83,279	−161,932	−231,664	−228,186	−188,358
Manufactures	43,294	128,433	172,821	212,431	227,059	−199,043
Other	−136	−393	−869	−1,314	−42	99
United States	**3,264**	**10,711**	**−40,667**	**−33,364**	**−40,706**	**−42,104**
Foodstuffs	473	10,587	13,304	18,820	21,352	15,809
Raw materials	−573	−578	−943	2,560	−2,122	283
Fuels	−1,386	−21,923	−58,048	−74,070	−73,966	−54,647
Manufactures	4,774	22,435	5,499	20,330	15,551	−2,430
Other	−24	191	−481	−1,004	−1,521	−1,121
Canada	**2,836**	**−1,654**	**2,495**	**5,398**	**3,384**	**12,718**
Foodstuffs	823	1,582	2,450	3,472	4,221	4,801
Raw materials	4,123	5,872	10,523	11,884	10,916	9,557
Fuels	229	1,243	2,396	1,867	1,498	4,128
Manufactures	−2,255	−10,229	−12,382	−11,151	−12,833	−5,081
Other	−83	−121	−492	−675	−417	−689
Japan	**437**	**−2,112**	**−7,144**	**−10,349**	**11,080**	**8,256**
Foodstuffs	−2,521	−9,536	−15,288	−15,145	−16,410	−15,084
Raw materials	−6,755	−10,158	−21,988	−23,902	−20,342	−19,597
Fuels	−3,858	−25,422	−44,930	−69,488	−72,009	−65,207
Manufactures	13,584	42,788	75,869	98,502	120,333	108,470
Other	−13	216	−808	−319	−494	−317

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Table 58 (continued)

Million US $

Big Seven: Trade Balance, by Commodity

	1970	1975	1979	1980	1981	1982
West Germany	**4,375**	**15,814**	**13,755**	**5,725**	**12,593**	**21,407**
Foodstuffs	−4,335	−7,850	−12,266	−12,603	−10,116	−9,762
Raw materials	−3,917	−5,452	−9,577	−11,286	−8,371	−7,872
Fuels	−1,616	−10,286	−25,272	−34,761	−32,829	−29,954
Manufactures	14,624	39,946	61,498	64,162	62,098	67,563
Other	−382	−545	−630	211	1,810	1,431
France	**−1,184**	**−2,002**	**−8,752**	**−23,463**	**−19,032**	**−23,096**
Foodstuffs	5	1,148	1,773	3,981	4,810	3,008
Raw materials	−1,476	−2,422	−4,041	−4,884	−3,855	−3,441
Fuels	−1,915	−10,850	−19,458	−31,241	−29,947	−27,166
Manufactures	2,044	9,842	13,196	9,234	10,051	4,376
Other	158	280	−223	−554	−93	127
United Kingdom	**−2,373**	**−9,935**	**−12,128**	**−3,522**	**983**	**−2,490**
Foodstuffs	−4,007	−7,124	−8,692	−7,790	−6,765	−6,710
Raw materials	−3,151	−4,087	−5,337	−6,019	−4,517	−3,855
Fuels	−1,773	−7,815	−3,029	−1,030	5,084	6,649
Manufactures	6,348	9,502	3,580	10,541	6,385	501
Other	211	−412	1,349	776	796	926
Italy	**−1,729**	**−3,103**	**−3,921**	**−20,478**	**−13,750**	**−10,396**
Foodstuffs	−1,719	−4,428	−6,459	−7,435	−5,355	−6,215
Raw materials	−2,760	−4,592	−9,848	−11,163	−7,730	−7,405
Fuels	−1,426	−8,227	−13,592	−22,942	−26,016	−22,159
Manufactures	4,177	14,147	25,561	20,811	25,473	25,642
Other	−3	−2	416	250	−123	−259

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Table 59

1970=100

Selected Non-OPEC LDCs: Indexes of Export Prices, Import Prices, and Terms of Trade [a]

	1974	1975	1976	1977	1978	1979	1980	1981	1982
Non-OPEC LDCs									
Export	**191**	**185**	**194**	**226**	**233**	**273**	**314**	**298**	**279**
Import	**206**	**217**	**217**	**230**	**252**	**295**	**358**	**371**	**357**
Terms of Trade	**93**	**85**	**89**	**98**	**92**	**93**	**88**	**80**	**78**
Brazil									
Export	189	189	217	266	246	269	285	268	252
Import	210	217	224	232	247	297	380	422	408
Terms of Trade	90	87	97	115	100	91	75	64	62
Colombia									
Export	172	175	257	376	315	311	347	311	308
Import	158	173	180	192	215	237	260	276	282
Terms of Trade	109	101	143	196	147	131	133	113	109
El Salvador									
Export	161	164	241	317	266	302	312	290	275
Import	179	197	193	193	215	240	305	339	362
Terms of Trade	90	83	125	164	124	126	102	86	76
Ethiopia									
Export	138	123	219	222	220	229	221	NA	NA
Import	147	155	164	177	197	214	240	263	NA
Terms of Trade	94	79	134	125	112	107	92	NA	NA
India									
Export	160	172	170	199	211	230	NA	NA	NA
Import	194	226	219	201	224	292	NA	NA	NA
Terms of Trade	82	76	78	99	94	79	NA	NA	NA
Jordan									
Export	256	291	253	245	271	280	335	346	355
Import	189	259	223	251	262	284	355	389	371
Terms of Trade	135	112	113	98	103	99	94	89	96
Kenya									
Export	156	175	206	297	270	297	360	326	296
Import	179	221	225	245	278	333	440	459	439
Terms of Trade	87	79	92	121	97	89	82	71	67
Malaysia									
Export	220	183	214	246	273	351	414	381	350
Import	234	249	239	254	276	314	378	409	401
Terms of Trade	94	73	90	97	99	112	110	93	87

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Table 59 (continued)

1970=100

Selected Non-OPEC LDCs: Indexes of Export Prices, Import Prices, and Terms of Trade [a]

	1974	1975	1976	1977	1978	1979	1980	1981	1982
Mauritius									
Export	364	454	336	332	350	385	436	405	369
Import	239	257	257	283	324	382	458	460	428
Terms of Trade	152	177	131	117	108	101	95	88	86
Morocco									
Export	265	308	222	203	234	NA	NA	NA	NA
Import	213	232	211	162	NA	NA	NA	NA	NA
Terms of Trade	124	133	105	125	NA	NA	NA	NA	NA
Pakistan									
Export	196	173	189	227	258	299	319	331	295
Import	194	220	211	218	231	259	323	371	355
Terms of Trade	101	79	90	104	112	115	99	89	83
Philippines									
Export	212	168	148	150	168	207	216	211	176
Import	247	258	255	283	289	339	420	467	399
Terms of Trade	86	65	58	53	58	61	51	45	44
South Korea									
Export	160	148	166	181	200	241	252	260	251
Import	210	217	212	217	230	295	355	374	346
Terms of Trade	76	68	78	83	87	82	71	70	73
Sri Lanka									
Export	162	143	140	209	223	244	265	233	199
Import	235	261	196	222	240	367	493	550	558
Terms of Trade	69	55	71	94	93	66	54	42	36
Syria									
Export	338	291	358	381	404	531	690	766	669
Import	245	273	327	297	317	397	515	669	628
Terms of Trade	138	107	109	128	127	134	134	114	107
Thailand									
Export	240	212	206	210	229	272	321	301	257
Import	215	239	251	270	294	338	418	449	450
Terms of Trade	112	89	82	78	78	80	77	67	57
Tunisia									
Export	359	395	328	340	375	529	770	724	NA
Import	178	215	198	202	213	236	267	258	234
Terms of Trade	202	184	166	168	176	224	288	281	NA

[a] Data are from the *International Financial Statistics*. US dollar indexes for total exports and total imports converted from national data, with the original 1975 comparison base shifted to 1970.

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Table 60

Billion US $

NICs: Trade with the Big Seven

	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983
NICs										
Exports	**0.3**	**18.4**	**24.4**	**29.4**	**37.6**	**48.2**	**57.8**	**64.8**	**67.4**	**71.5**
Imports	**9.3**	**28.0**	**29.6**	**32.6**	**44.4**	**55.7**	**69.2**	**74.2**	**64.3**	**63.1**
Balance	**−9.0**	**−9.6**	**−5.2**	**−3.2**	**−6.8**	**−7.5**	**−11.4**	**−9.4**	**3.1**	**8.4**
Brazil										
Exports	0.2	4.2	4.5	5.8	6.4	7.9	9.4	10.2	10.5	10.7
Imports	1.7	6.6	6.1	5.6	6.9	7.7	9.4	8.2	7.1	6.7
Balance	−1.5	−2.4	−1.6	0.2	−0.5	0.2	NEGL	2.0	3.4	4.0
China (Taiwan)										
Exports	NEGL	3.3	4.8	5.7	8.2	10.2	11.5	12.9	13.4	16.3
Imports	1.3	3.9	4.4	4.9	6.7	8.7	10.6	10.8	10.1	11.2
Balance	−1.3	−0.6	0.4	0.8	1.5	1.5	0.9	2.1	3.3	5.1
Hong Kong										
Exports	0.1	3.1	4.5	4.9	6.3	7.9	9.3	9.8	9.6	9.4
Imports	1.5	2.9	3.8	4.7	6.4	7.9	9.9	10.5	9.9	10.5
Balance	−1.4	0.2	0.7	0.2	−0.1	NEGL	−0.6	−0.7	−0.3	−1.1
Mexico										
Exports	0.1	3.3	3.9	5.1	6.5	9.2	13.9	16.4	18.3	19.7
Imports	2.3	6.8	6.5	6.3	8.9	12.5	19.1	23.2	15.5	11.4
Balance	−2.2	−3.5	−2.6	−1.2	−2.4	−3.3	−5.2	−6.8	2.8	8.3
Singapore										
Exports	NEGL	1.3	1.7	2.0	2.5	3.9	4.6	5.0	5.0	4.5
Imports	0.9	3.2	3.3	3.8	5.0	6.6	9.0	9.5	9.9	10.0
Balance	−0.9	−1.9	−1.6	−1.8	−2.5	−2.7	−4.4	−4.5	−4.9	−5.5
South Korea										
Exports	NEGL	3.2	5.0	5.9	7.7	9.1	9.1	10.5	10.6	10.9
Imports	1.6	4.6	5.5	7.3	10.5	12.3	11.2	12.0	11.8	13.3
Balance	−1.6	−1.4	−0.5	−1.4	−2.8	−3.2	−2.1	−1.5	−1.2	−2.4

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Table 61

Billion US $

Selected Countries: Oil Revenues

	1975	1976	1977	1978	1979	1980	1981	1982	1983
Non-Communist countries									
Algeria	4	5	6	6	9	15	12	11	9
Ecuador	NEGL	1	1	1	1	2	2	1	1
Gabon	1	1	1	1	1	1	1	1	2
Indonesia	4	5	6	6	8	13	15	11	10
Iran	19	22	24	21	20	13	11	19	19
Iraq	8	10	11	11	22	25	11	10	7
Kuwait	8	8	8	9	17	19	14	8	10
Libya	6	9	10	10	15	23	15	14	10
Mexico	NEGL	1	1	2	4	10	14	16	16
Nigeria	7	9	10	9	16	24	17	14	10
Qatar	2	2	2	2	4	6	6	4	4
Saudi Arabia	27	35	40	36	56	99	110	73	41
United Arab Emirates	7	8	9	8	13	19	19	15	9
Venezuela	8	8	9	9	13	18	19	15	14
Communist countries									
USSR [a]	8	10	13	15	22	28	30	35	37

[a] Soviet prices to other CEMA countries, which in volume terms account for about one half of Soviet exports of crude oil and petroleum products, have been based on an average of the world market prices for the previous five years.

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Table 62

Billion US $

Selected Countries: Oil Import Bill [a]

	1965	1970	1973	1975	1979	1980	1981	1982	1983
Developed Countries									
United States [b]	2.1	2.3	7.0	23.8	57.5	74.0	74.8	53.4	47.7
Israel	0.1	0.1	0.2	0.6	1.4	2.1	2.0	1.9	1.6
Japan	1.3	2.7	6.7	20.8	37.8	57.6	58.3	51.0	45.5
Spain	0.2	0.4	0.9	3.5	6.7	11.1	11.2	9.8 [c]	8.7 [c]
European Community									
France	0.9	1.6	3.3	9.3	16.3	26.8	24.9	22.0	18.1
Italy	0.6	1.2	2.4	7.3	12.0	20.4	22.2	18.7	17.3
Netherlands	0.2	0.3	0.5	1.6	4.5	6.6	5.6	4.4	3.9
United Kingdom	1.4	1.8	3.3	7.7	2.2	0.2	−5.7	−7.6	−10.7
West Germany	1.0	2.0	5.1	10.7	24.5	32.2	29.0	25.6	22.8
Less developed countries									
Brazil	NA	0.2	0.7	2.7	7.0	9.5	9.5	8.7	6.6
India	NA	0.2	0.7	1.4	4.0	6.7	5.6	4.6	3.5
South Korea	NA	0.1	0.3	1.2	3.4	6.1	6.9	6.8	6.3
China (Taiwan)	NA	0.1	0.2	0.7	2.4	4.5	4.6	3.7	3.9
Philippines	NA	0.1	0.2	0.8	1.5	2.2	2.9	2.1	1.8
Thailand	NA	0.1	0.2	0.7	1.7	2.9	2.9	2.7	2.2
Colombia	NA	−0.1	−0.1	0.1	0.4	0.4	0.5	0.5	0.6 [b]
Pakistan	NA	0.1	0.1	0.4	0.5	1.1	1.3	1.3	1.4 [b]
Hong Kong	NA	0.1	0.1	0.4	0.9	1.4	1.6	1.8	1.5
Chile	NA	0.1	0.1	0.3	0.8	0.9	0.9	0.7	0.6 [b]

[a] Total cost of imported crude oil and petroleum products (on a c.i.f. basis) less earnings of exports of these items (on an f.o.b. basis).

[b] On an f.o.b. basis.

[c] Estimated.

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Table 63

Percent

Importance of Soviet-Western Trade to Selected Western Countries

Soviet Trading Partner	Exports to USSR as a Share of Total Exports			Imports From USSR as a Share of Total Imports			Share of Trading Partner's GNP					
							Exports to the USSR			Imports From the USSR		
	1980	1981	1982	1980	1981	1982	1980	1981	1982	1980	1981	1982
Argentina	20.1	32.4	31.4	0.1	0.3	0.6	0.8	1.1	2.0	NEGL	NEGL	NEGL
Australia	5.2	3.3	3.1	0.1	NEGL	0.5	0.8	0.6	0.5	NEGL	NEGL	NEGL
Austria	2.7	3.1	3.5	4.2	6.2	5.1	0.6	0.6	0.6	1.3	0.7	0.5
Brazil	1.8	2.7	2.5	0.2	0.1	1.0	0.2	0.2	0.5	NEGL	NEGL	NEGL
Canada	1.9	2.1	2.3	0.1	0.1	0.1	0.5	0.5	0.2	NEGL	NEGL	NEGL
France	2.1	1.8	1.6	2.6	2.8	2.5	0.4	0.3	0.1	0.6	0.6	0.9
Italy	1.6	1.7	2.0	3.1	3.4	4.1	0.4	0.4	0.1	0.8	0.9	1.1
Japan	2.1	2.1	2.8	1.3	1.4	1.3	0.3	0.3	0.7	0.2	0.2	0.1
Netherlands	0.7	0.9	0.6	1.6	2.6	4.0	0.3	0.4	0.1	0.8	1.2	0.2
United Kingdom	1.0	0.8	0.6	0.8	0.8	1.1	0.2	0.2	0.1	0.4	0.2	0.1
United States	0.7	1.0	1.2	0.2	0.1	0.1	0.1	0.1	0.5	NEGL	0.1	NEGL
West Germany	2.3	1.9	2.2	2.2	2.5	3.0	0.5	0.5	0.6	0.5	0.6	0.7

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Table 64

Million US $

Soviet Foreign Trade [a]

		Total Trade	Communist Countries					Non-Communist Countries			
			Total	Eastern Europe	China	Other Asia	Other [b]	Total	Developed Countries	Less Developed Countries	
										Total	Unspecified
1960	Exports	**5,558**	4,210	3,071	816	66	256	1,348	1,022	326	31
	Imports	**5,623**	3,974	2,792	847	98	237	1,649	1,120	529	33
1965	Exports	**8,166**	5,555	4,551	192	165	647	2,611	1,506	1,105	270
	Imports	**8,050**	5,605	4,668	225	120	592	2,444	1,647	797	2
1970	Exports	**12,787**	8,359	6,752	25	415	1,167	4,428	2,453	1,975	792
	Imports	**11,720**	7,630	6,627	22	156	826	4,090	2,849	1,241	16
1975	Exports	**33,407**	20,271	16,494	129	480	3,168	13,136	8,588	4,548	1,899
	Imports	**37,070**	19,415	15,723	150	277	3,265	17,655	13,566	4,089	31
1978	Exports	**52,435**	31,244	24,910	241	726	5,367	21,190	12,920	8,270	4,219
	Imports	**50,798**	30,494	24,661	257	521	5,055	20,304	16,244	4,060	65
1979	Exports	**64,912**	36,152	28,380	268	1,081	6,423	28,760	19,578	9,182	4,367
	Imports	**57,958**	32,810	26,761	240	618	5,191	25,148	20,405	4,743	49
1980	Exports	**76,437**	41,431	32,216	261	1,201	7,752	35,006	24,934	10,072	4,766
	Imports	**68,473**	36,420	29,407	226	681	6,106	32,053	24,386	7,667	168
1981	Exports	**79,377**	43,353	33,774	115	1,445	8,019	36,024	24,416	11,608	5,058
	Imports	**73,158**	37,172	29,399	131	582	7,060	35,986	25,356	10,630	209
1982	Exports	**87,168**	47,107	36,288	166	1,638	9,015	40,061	26,224	13,837	6,424
	Imports	**77,847**	42,525	33,566	143	788	8,028	35,322	26,204	9,118	6,173
1983	Exports	**91,648**	51,006	39,355	345	1,768	9,538	40,642	26,610	14,032	7,069
	Imports	**80,440**	45,502	37,162	314	764	7,262	34,938	26,364	9,574	287

[a] Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports and imports are f.o.b.
[b] Cuba, Mongolia, and Yugoslavia.

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Table 65

Million US $

Soviet Exports [a]

	1960	1965	1970	1975	1978	1979	1980	1981	1982
Total exports	**5,558**	**8,166**	**12,787**	**33,407**	**52,435**	**64,912**	**76,437**	**79,377**	**87,168**
Machinery and equipment	1,141	1,634	2,753	6,241	10,277	11,378	12,081	10,862	11,230
Fuels, lubricants, and related materials	902	1,403	1,986	10,473	18,695	27,379	35,874	39,849	45,588
Coal and coke [b]	242	384	408	1,399	418	1,504	1,695	1,597	1,660
Petroleum and petroleum products	657	998	1,469	8,212	14,776	22,211	27,851	30,029	35,028
Ores and concentrates	243	310	403	868	887	919	993	1,016	1,026
Iron ore	175	250	325	692	628	656	651	656	665
Base metals and manufactures	837	1,329	1,978	3,813	2,987	3,113	3,551	3,511	3,649
Ferrous metals	642	997	1,351	2,673	2,987	3,113	3,551	3,511	3,644
Rolled ferrous metals	480	716	961	1,794	2,020	2,138	2,464	2,422	2,465
Nonferrous metals	195	331	627	1,140	NA	NA	NA	NEGL	NEGL
Aluminum	35	111	184	356	NA	NA	NA	NA	NA
Chemicals	150	244	364	1,027	1,284	1,606	2,139	2,380	2,309
Wood and wood products	305	593	831	1,916	2,339	2,666	3,093	2,632	2,471
Lumber	183	312	333	780	936	1,031	1,207	990	912
Textile raw materials and semimanufactures	358	421	437	976	1,313	1,304	1,435	1,545	1,566
Cotton fiber	288	334	372	917	1,229	1,221	1,357	1,472	1,445
Consumer goods	908	904	1,356	2,377	2,311	2,855	2,727	2,759	2,573
Food	702	664	1,019	1,556	1,165	1,661	1,426	1,587	1,320
Grain [c]	467	270	399	508	207	559	310	404	393
Other consumer goods	205	240	337	821	1,146	1,195	1,301	1,172	1,253
Other and unspecified	714	1,328	2,679	5,716	12,342	13,692	14,544	14,823	16,756

[a] Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Exports are f.o.b.
[b] Including small amounts of charcoal and other solid fuels.
[c] Excluding wheat flour.

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Table 66

Million US $

Soviet Imports [a]

	1960	1965	1970	1975	1978	1979	1980	1981	1982
Total imports	**5,623**	**8,050**	**11,720**	**37,070**	**50,798**	**57,958**	**68,473**	**73,158**	**77,847**
Machinery and equipment	1,673	2,690	4,166	12,574	21,354	22,019	23,198	22,107	26,766
Transportation equipment	659	990	1,232	3,326	3,943	4,335	4,674	4,660	5,301
Fuels, lubricants, and related materials	237	198	228	1,447	NA	NA	NA	269	292
Coal and coke	93	123	124	499	NA	NA	NA	NA	NA
Petroleum and petroleum products	144	75	82	695	NA	NA	NA	NA	5
Ores and concentrates	314	315	303	583	578	747	NA	929	858
Base metals and manufactures	545	389	691	3,595	3,414	4,499	4,654	4,594	5,359
Ferrous metals	373	314	593	3,346	3,400	4,478	4,635	4,574	5,343
Rolled ferrous metals	338	287	568	3,197	3,176	4,184	4,335	4,259	4,837
Nonferrous metals	172	75	98	249	14	21	19	20	15
Tin	35	21	30	65	NA	NA	NA	NA	NA
Chemicals	149	373	618	1,747	2,188	2,803	3,732	4,031	3,886
Rubber and rubber products	196	199	192	307	NA	288 [b]	320 [b]	298	209
Wood and wood products	105	150	248	796	747	847	1,369	1,305	1,219
Textile raw materials and semimanufactures	364	358	561	887	1,025	1,122	1,493	1,271	1,283
Cotton fiber	180	162	249	271	93	158	96	46	47
Wool fiber	118	100	120	265	420	487	502	534	549
Consumer goods	1,573	2,656	3,789	12,720	14,750	17,834	23,334	27,532	27,604
Food	613	1,512	1,590	7,844	8,822	11,395	15,156	18,371	16,744
Grain [c]	17	397	135	2,673	2,433	3,448	4,891	7,257	6,120
Other consumer goods	960	1,144	2,199	4,876	5,928	6,440	8,179	9,161	10,860
Other and unspecified	466	723	926	2,414	6,742	7,799	10,373	10,822	10,371

[a] Official Soviet statistics using US dollar exchange rates for the Soviet foreign exchange ruble as announced by the State Bank of the USSR. Imports are f.o.b.
[b] Only natural rubber reported.
[c] Excluding wheat flour.

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Table 67

Million US $

Chinese Foreign Trade [a]

		Total Trade	Communist Countries				Non-Communist Countries		
			Total	Eastern Europe	USSR	Other [b]	Total	Developed Countries	Less Developed Countries [c]
1965	Exports	**2,035**	650	95	225	330	1,385	575	810
	Imports	**1,680**	515	110	190	215	1,165	805	360
1970	Exports	**2,155**	480	255	20	205	1,675	660	1,015
	Imports	**2,045**	390	225	25	140	1,655	1,370	285
1975	Exports	**7,130**	1,375	630	150	595	5,755	2,610	3,145
	Imports	**6,830**	1,005	595	130	280	5,825	4,985	840
1978	Exports	**10,175**	1,645	910	255	480	8,530	3,775	4,755
	Imports	**10,350**	1,570	935	240	395	8,780	7,265	1,515
1979	Exports	**13,735**	1,755	1,050	240	465	11,980	5,645	6,335
	Imports	**14,490**	1,945	1,200	270	475	12,545	10,170	2,375
1980	Exports	**18,925**	1,885	1,130	230	525	17,040	8,270	8,770
	Imports	**19,305**	1,945	1,110	295	540	17,360	13,515	3,845
1981	Exports	**21,495**	1,240	745	130	365	20,255	10,045	10,210
	Imports	**17,940**	1,270	700	115	455	16,670	12,740	3,930
1982	Exports	**23,435**	1,210	660	145	405	22,230	10,225	12,005
	Imports	**16,690**	1,670	925	165	580	15,020	10,805	4,215
1983	Exports	**23,985**	1,290	600	310	380	22,695	9,945	12,750
	Imports	**18,400**	1,720	865	340	515	16,680	11,715	4,965

[a] Data are f.o.b. and rounded to the nearest US $5 million.
[b] Including data for Albania, Cuba, Mongolia, North Korea, Vietnam, and Yugoslavia.
[c] Including data for Hong Kong and Macao.

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Table 68

Million US $

Chinese Exports [a]

	1970	1975	1976	1979	1980	1981	1982	1983
Total	**2,155**	**7,130**	**7,270**	**13,735**	**18,925**	**21,495**	**23,435**	**23,985**
Food and live animals	660	2,045	1,790	2,650	3,210	3,450	3,595	3,670
Live animals	70	215	230	265	340	380	395	380
Meat and meat preparations	105	240	235	305	385	375	500	385
Fish and fish preparations	70	190	215	380	400	425	385	350
Cereals and cereal preparations	150	615	325	420	485	510	495	555
Vegetables and fruit	170	435	450	775	935	1,050	1,040	1,030
Beverages and tobacco	20	80	90	100	120	120	140	0
Crude materials, excluding fuel	380	840	935	1,600	1,820	2,050	1,790	1,935
Oilseeds, oil nuts, and oil kernels	70	160	110	190	185	525	245	330
Textile fibers and wastes	105	245	310	510	545	500	550	605
Crude animal and vegetable materials	115	225	285	450	540	455	465	470
Mineral fuels, lubricants, and related materials	60	1,025	905	2,465	4,415	4,765	5,255	4,940
Petroleum and petroleum products	5	865	775	2,250	4,165	4,495	4,930	4,350
Animal and vegetable oils and fats	25	55	55	90	85	105	70	100
Chemicals	115	350	365	770	1,180	1,300	1,280	1,285
Chemical elements and compounds	25	100	100	270	480	550	565	515
Manufactured goods	590	1,650	1,855	3,515	4,410	5,140	5,005	5,135
Textile yarn, fabrics, made-up articles	390	1,035	1,160	2,285	2,765	3,080	2,920	3,330
Nonmetallic mineral manufactures	60	170	185	330	415	480	480	455
Manufactures of metal	40	110	145	285	390	520	565	560
Machinery and transport equipment	75	260	285	485	610	805	790	850
Miscellaneous manufactured goods	225	800	960	2,025	3,010	3,665	4,150	4,545
Clothing	100	355	445	1,055	1,665	2,095	2,435	2,780
Other	5	25	30	35	65	95	1,365	1,520

[a] Data are f.o.b. and rounded to the nearest $5 million.

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Table 69

Million US $

Chinese Imports [a]

	1970	1975	1976	1979	1980	1981	1982	1983
Total	**2,045**	**6,830**	**5,565**	**14,490**	**19,305**	**17,940**	**16,690**	**18,400**
Food and live animals	330	815	570	1,775	2,860	3,080	3,495	2,445
Cereal and cereal preparation	255	540	300	1,305	2,225	2,340	2,475	1,630
Sugar, sugar preparations, and honey	65	155	185	210	300	470	650	450
Crude materials, excluding fuels	235	730	620	1,960	3,325	3,175	2,520	2,225
Rubber, crude (including synthetic and reclaimed)	95	165	135	315	430	215	245	250
Textile fibers and their waste	95	395	315	1,140	2,065	2,280	1,470	1,130
Mineral fuels, lubricants, and related materials	40	130	65	180	175	175	175	205
Petroleum and petroleum products	10	40	10	35	30	55	30	50
Animal and vegetable fats and oils	5	40	30	180	180	105	95	135
Chemicals	310	815	550	1,445	2,185	2,025	2,110	2,235
Chemical elements and compounds	175	250	220	410	545	470	525	570
Fertilizers, manufactured	65	390	150	595	980	755	580	575
Manufactured goods	690	2,190	1,925	4,710	4,575	4,000	4,195	5,570
Textile yarn, fabrics, made-up articles, and products	40	90	130	295	845	1,575	1,160	1,000
Iron and steel	390	1,475	1,405	3,460	2,235	1,320	1,870	3,050
Nonferrous metals	200	395	245	340	420	165	430	720
Machinery and transport equipment	405	2,010	1,715	3,845	5,350	4,595	3,280	4,420
Machinery, other than electric	190	985	1,010	1,990	2,790	2,545	1,405	1,840
Electric machinery	30	190	230	540	1,070	1,345	820	1,070
Transport equipment	190	835	475	1,310	1,490	705	1,055	1,515
Miscellaneous manufactured goods	25	75	80	300	485	595	670	1,000
Other	NEGL	25	10	95	170	190	145	160

[a] Data are f.o.b. and rounded to the nearest $5 million.

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Table 70

Million US $

East European Foreign Trade [a]

		Total Trade	Communist Countries				Non-Communist Countries		
			Total	USSR	Eastern Europe	Other [b]	Total	Developed Countries	Less Developed Countries
1960	Exports	**7,624**	5,523	2,817	2,102	604	2,101	1,603	498
	Imports	**7,754**	5,541	2,954	2,084	503	2,213	1,772	441
1965	Exports	**11,789**	8,423	4,692	3,172	559	3,366	2,581	785
	Imports	**11,611**	8,114	4,436	3,111	567	3,497	2,765	732
1970	Exports	**18,159**	12,546	6,612	4,955	979	5,613	4,426	1,187
	Imports	**18,522**	12,503	6,803	4,908	792	6,019	5,052	967
1975	Exports	**45,269**	30,193	15,619	12,230	2,344	15,076	11,282	3,794
	Imports	**51,314**	30,607	16,345	12,238	2,024	20,707	17,687	3,020
1978	Exports	**65,512**	44,574	22,997	18,071	3,506	20,938	15,324	5,614
	Imports	**72,597**	46,091	24,778	18,046	3,267	26,506	21,889	4,617
1979	Exports	**76,862**	51,021	27,082	20,372	3,567	25,841	18,836	7,005
	Imports	**82,586**	51,579	28,516	19,834	3,229	31,007	24,392	6,615
1980	Exports	**86,169**	54,899	29,940	20,523	4,436	31,270	22,611	8,659
	Imports	**91,190**	56,046	32,254	20,433	3,359	35,144	26,171	8,973
1981	Exports	**83,758**	53,646	29,413	18,832	5,401	30,112	19,903	10,209
	Imports	**87,501**	57,330	33,758	19,311	4,261	30,171	22,850	7,321
1982 [c]	Exports	**91,422**	60,519	33,953	21,715	4,851	30,903	20,319	10,584
	Imports	**87,136**	62,317	36,820	20,106	4,391	25,819	19,014	6,805
1983 [c]	Exports	**96,156**	65,863	37,149	23,296	5,418	30,293	20,370	9,923
	Imports	**91,001**	66,272	39,341	21,345	5,586	24,729	18,009	6,720

[a] Official East European statistics. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate. Exports are on an f.o.b. basis. Imports are f.o.b. except for Hungary, which is on a c.i.f. basis.

[b] Including data for Albania, China, Cuba, Mongolia, North Korea, Vietnam, and Yugoslavia.

[c] Preliminary.

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Million US $

Table 71

East European Exports, by Country [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983 [b]
Bulgaria	**571**	**1,176**	**2,004**	**4,807**	**9,013**	**10,491**	**10,590**	**11,679**	**12,249**
USSR	307	614	1,078	2,643	4,673	5,267	5,142	5,972	6,819
Eastern Europe	151	275	431	968	1,622	1,741	1,559	1,979	2,096
Developed countries	73	190	289	474	1,298	1,638	1,418	1,288	1,278
Less developed countries	18	52	125	463	1,037	1,383	1,844	2,010	1,601
Czechoslovakia	**1,929**	**2,688**	**3,792**	**8,158**	**13,313**	**15,286**	**15,230**	**16,683**	**17,249**
USSR	659	1,023	1,222	2,664	4,771	5,493	5,705	6,609	7,314
Eastern Europe	561	789	1,213	2,621	4,046	4,294	4,101	4,603	4,625
Developed countries	335	468	783	1,673	2,690	3,242	2,993	2,962	2,680
Less developed countries	200	255	331	706	1,044	1,302	1,410	1,395	1,462
East Germany [c]	**2,207**	**3,085**	**4,647**	**10,680**	**16,610**	**18,848**	**19,723**	**22,496**	**24,228**
USSR	924	1,311	1,742	3,700	6,080	6,666	7,169	8,067	8,901
Eastern Europe	588	852	1,386	3,368	5,783	5,303	4,929	5,412	5,861
Developed countries	446	657	1,078	2,631	3,564	4,542	5,446	6,515	6,766
Less developed countries	89	131	183	431	977	1,356	1,268	1,797	1,700
Hungary	**874**	**1,510**	**2,317**	**5,694**	**11,117**	**12,503**	**11,950**	**13,835**	**14,727**
USSR	256	525	790	2,154	3,779	4,579	4,590	5,232	5,408
Eastern Europe	278	468	648	2,666	3,303	3,282	3,147	3,925	4,304
Developed countries	192	342	630	1,327	2,636	3,040	2,437	2,672	2,825
Less developed countries	58	107	137	364	723	848	1,015	1,198	1,133
Poland	**1,326**	**2,228**	**3,548**	**10,510**	**16,860**	**17,249**	**13,654**	**15,687**	**16,703**
USSR	390	781	1,251	3,362	6,092	5,609	4,480	5,722	6,460
Eastern Europe	335	528	882	2,671	3,739	3,801	3,265	3,935	4,265
Developed countries	403	647	1,024	3,278	5,056	5,857	3,826	3,672	3,621
Less developed countries	93	172	258	845	1,294	1,649	1,174	1,550	1,227
Romania	**717**	**1,102**	**1,851**	**5,420**	**9,949**	**11,792**	**12,611**	**11,042**	**11,000**
USSR	281	438	529	1,096	1,687	2,326	2,327	2,351	2,247
Eastern Europe	189	260	395	1,011	1,879	2,102	1,831	1,861	2,145
Developed countries	154	277	622	1,899	3,592	4,292	3,783	3,210	3,200
Less developed countries	40	68	153	985	1,930	2,121	3,498	2,634	2,800

[a] Domestic currency converted into US dollars at the exchange rate prevailing at time of transactions. Exports are on an f.o.b. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate.

[b] Preliminary.

[c] The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollar rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

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Table 72

Million US $

East European Imports, by Country [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983 [b]
Bulgaria	**625**	**1,178**	**1,831**	**5,528**	**8,580**	**9,777**	**10,905**	**11,887**	**12,526**
USSR	332	589	955	2,826	5,042	5,639	6,084	6,822	7,437
Eastern Europe	174	236	372	1,007	1,587	1,777	1,702	1,956	2,274
Developed countries	89	266	355	1,289	1,321	1,657	2,128	1,961	1,673
Less developed countries	13	37	81	209	300	378	492	723	742
Czechoslovakia	**1,816**	**2,673**	**3,695**	**8,874**	**14,371**	**15,537**	**15,295**	**16,449**	**17,126**
USSR	630	955	1,209	2,818	5,131	5,658	6,095	7,145	7,924
Eastern Europe	524	851	1,123	2,839	4,401	4,505	4,212	4,442	4,553
Developed countries	360	514	917	2,244	3,408	3,691	3,321	3,117	2,708
Less developed countries	161	197	214	501	709	829	758	725	663
East Germany [c]	**2,194**	**2,823**	**4,923**	**11,947**	**18,384**	**20,774**	**20,014**	**20,899**	**22,803**
USSR	958	1,205	1,945	4,172	6,546	7,508	7,685	8,966	9,174
Eastern Europe	496	693	1,246	3,147	5,105	4,947	4,735	4,588	4,711
Developed countries	484	656	1,378	3,704	5,681	6,332	5,886	5,700	6,378
Less developed countries	90	120	182	483	885	1,288	762	965	1,000
Hungary	**976**	**1,520**	**2,505**	**6,795**	**11,919**	**12,628**	**12,672**	**13,279**	**13,823**
USSR	303	553	832	2,284	4,325	4,620	4,599	5,178	5,476
Eastern Europe	317	415	726	1,813	2,875	3,186	3,183	3,268	3,715
Developed countries	237	383	678	1,966	3,330	3,719	3,654	3,195	2,893
Less developed countries	58	113	177	498	712	848	845	913	1,102
Poland	**1,495**	**2,340**	**3,608**	**12,752**	**18,164**	**19,437**	**16,158**	**15,063**	**16,023**
USSR	465	728	1,361	3,294	5,831	6,698	6,821	6,721	7,117
Eastern Europe	400	706	1,000	2,354	3,729	3,963	3,517	3,724	4,236
Developed countries	447	583	938	6,199	6,665	6,699	4,336	3,176	2,857
Less developed countries	99	210	196	597	1,373	1,789	924	598	713
Romania	**648**	**1,077**	**1,960**	**5,418**	**11,168**	**13,037**	**12,457**	**9,559**	**8,700**
USSR	266	406	501	951	1,641	2,131	2,474	1,988	2,213
Eastern Europe	173	210	441	1,078	2,137	2,055	1,962	2,128	1,856
Developed countries	155	363	786	2,285	3,987	4,073	3,525	1,865	1,500
Less developed countries	20	55	117	732	2,636	3,841	3,540	2,881	2,500

[a] Imports are f.o.b. except for Hungary, which is on a c.i.f. basis. Trade with the Communist countries was derived by converting the value of the trade expressed in the currency of each East European country to rubles and then to dollars at the prevailing foreign exchange rate. Country totals include trade with centrally planned economy countries other than the USSR and Eastern Europe.

[b] Preliminary.

[c] The official West German deutsche mark/US dollar rate was used to convert intra-German trade in East German marks to US dollars because using the East German mark/US dollars rate understates the value of trade. East Germany converts West German marks into East German marks at parity, but actually the East German mark is worth less than the West German mark.

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Million US $

Table 73

East European Exports, by Commodity Group [a]

	1970	1975	1979	1980	1981	1982 [b]	1983 [b]
Bulgaria	**2,004**	**4,807**	**9,013**	**10,491**	**10,590**	**11,679**	**12,249**
Machinery and equipment	581	1,956	4,029	4,658	4,795	5,477	5,929
Fuels, minerals, and metals	162	375	1,181	1,574	1,539	1,485	1,396
Agricultural and forestry products	870	1,620	2,298	2,560	2,387	2,675	2,658
Manufactured consumer goods	295	495	847	923	963	1,099	1,213
Other	96	361	658	776	906	943	1,053
Czechoslovakia	**3,792**	**8,158**	**13,313**	**15,286**	**15,230**	**16,683**	**17,249**
Machinery and equipment	1,911	3,916	6,803	7,689	7,965	8,875	9,539
Fuels, minerals, and metals	705	1,574	2,263	2,629	2,269	2,419	2,432
Agricultural and forestry products	277	587	1,038	1,315	1,218	1,218	1,104
Manufactured consumer goods	629	1,485	2,197	2,430	2,543	2,803	2,760
Other	270	596	1,012	1,223	1,235	1,368	1,414
East Germany	**4,647**	**10,680**	**16,610**	**18,848**	**19,723**	**22,496**	**24,228**
Machinery and equipment	2,402	5,415	9,268	9,669	9,644	10,910	NA
Fuels, minerals, and metals	469	1,292	1,960	2,790	3,313	4,162	NA
Agricultural and forestry products	344	972	1,013	1,206	1,460	1,552	NA
Manufactured consumer goods	939	1,666	2,475	2,790	2,781	3,194	NA
Other	493	1,335	1,894	2,394	2,525	2,678	NA
Hungary	**2,317**	**5,694**	**11,117**	**12,503**	**11,950**	**13,385**	**14,727**
Machinery and equipment	755	2,107	3,802	4,026	3,752	4,323	4,830
Fuels, minerals, and metals	334	678	1,601	1,800	1,506	1,780	2,283
Agricultural and forestry products	619	1,435	2,657	3,263	3,370	3,694	3,696
Manufactured consumer goods	494	1,162	2,001	2,176	2,055	2,208	2,327
Other	115	312	1,056	1,238	1,267	1,380	1,591
Poland	**3,548**	**10,510**	**16,860**	**17,249**	**13,654**	**15,687**	**16,703**
Machinery and equipment	1,366	4,109	7,739	7,659	6,841	7,357	7,733
Fuels, minerals, and metals	848	3,058	4,046	4,399	2,922	4,251	4,861
Agricultural and forestry products	600	1,209	1,787	1,708	1,120	1,380	1,654
Manufactured consumer goods	571	1,534	2,563	2,639	2,130	2,071	1,854
Other	163	600	725	845	641	628	601
Romania	**1,851**	**5,420**	**9,949**	**11,792**	**12,611**	**11,042**	**11,000**
Machinery and equipment	422	1,371	2,607	3,090	3,657	3,644	NA
Fuels, minerals, and metals	420	1,209	2,905	3,479	3,506	2,661	NA
Agricultural and forestry products	496	1,225	1,701	1,957	2,030	1,546	NA
Manufactured consumer goods	335	873	1,622	1,828	1,980	1,855	NA
Other	178	742	1,114	1,439	1,438	1,336	NA

[a] The values of East Eurpoean exports by commodity group were calculated by applying East European data on percentage breakdowns to total exports expressed in US dollars (see Table 70, footnote a).

[b] Preliminary.

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Table 74

Million US $

East European Imports, by Commodity Group [a]

	1970	1975	1979	1980	1981	1982 [b]	1983 [b]
Bulgaria	**1,831**	**5,528**	**8,580**	**9,777**	**10,905**	**11,887**	**12,526**
Machinery and equipment	743	2,289	3,183	3,461	3,653	4,030	4,284
Fuels, minerals, and metals	533	1,852	3,552	4,194	4,842	5,492	5,812
Agricultural and forestry products	291	702	841	948	1,112	975	1,090
Manufactured consumer goods	104	282	386	430	513	571	526
Other	160	403	618	744	785	819	814
Czechoslovakia	**3,695**	**8,874**	**14,371**	**15,537**	**15,295**	**16,449**	**17,126**
Machinery and equipment	1,234	3,204	5,260	5,687	5,292	5,445	5,789
Fuels, minerals, and metals	868	2,467	4,455	4,925	5,537	6,431	7,005
Agricultural and forestry products	890	1,544	2,414	2,501	2,264	2,336	2,141
Manufactured consumer goods	314	683	862	917	811	905	1,028
Other	389	976	1,380	1,507	1,391	1,332	1,163
East Germany	**4,923**	**11,947**	**18,384**	**20,774**	**20,014**	**20,879**	**22,803**
Machinery and equipment	1,684	3,680	6,085	6,398	6,404	6,750	NA
Fuels, minerals, and metals	1,359	3,644	6,029	7,624	7,364	8,339	NA
Agricultural and forestry products	1,383	2,700	3,566	3,926	3,583	3,406	NA
Manufactured consumer goods	222	669	974	1,039	981	857	NA
Other	275	1,254	1,730	1,787	1,682	1,547	NA
Hungary	**2,505**	**6,795**	**11,919**	**12,628**	**12,672**	**13,279**	**13,823**
Machinery and equipment	774	2,188	4,041	3,877	3,764	4,050	4,147
Fuels, minerals, and metals	591	1,855	3,194	3,410	3,383	3,970	4,382
Agricultural and forestry products	611	1,291	2,098	2,349	2,332	1,979	2,004
Manufactured consumer goods	193	482	858	972	1,102	1,169	1,175
Other	336	979	1,728	2,020	2,091	2,111	2,115
Poland	**3,608**	**12,752**	**18,164**	**19,437**	**16,158**	**15,063**	**16,023**
Machinery and equipment	1,306	4,769	6,357	6,356	4,993	3,766	4,118
Fuels, minerals, and metals	960	3,826	5,377	6,045	5,106	5,241	6,265
Agricultural and forestry products	772	2,270	3,615	4,062	3,862	3,369	2,676
Manufactured consumer goods	231	676	1,162	1,244	969	1,205	1,586
Other	339	1,211	1,653	1,730	1,228	1,492	1,378
Romania	**1,960**	**5,418**	**11,168**	**13,037**	**12,457**	**9,559**	**8,700**
Machinery and equipment	790	1,880	3,585	3,207	2,940	2,543	NA
Fuels, minerals, and metals	596	2,070	4,836	6,558	6,054	4,732	NA
Agricultural and forestry products	306	845	1,497	1,916	2,155	1,157	NA
Manufactured consumer goods	108	206	380	391	436	401	NA
Other	160	417	871	965	872	726	NA

[a] The values of East European imports by commodity group were calculated by applying East European data on percentage breakdowns to total imports expressed in US dollars (see Table 71, footnote a).

[b] Preliminary.

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Million US $

Table 75

Cuban Foreign Trade [a]

		Total Trade	Communist Countries				Non-Communist Countries
			Total	USSR	Eastern Europe	Other [b]	
1965	Exports	**691**	529	323	103	103	162
	Imports	**866**	649	428	98	123	217
1970	Exports	**1,050**	778	529	150	99	272
	Imports	**1,311**	905	691	125	89	406
1975	Exports	**3,572**	2,401	2,011	279	111	1,171
	Imports	**3,767**	1,935	1,513	304	118	1,832
1976	Exports	**3,284**	2,484	1,998	353	133	800
	Imports	**3,879**	2,267	1,818	356	93	1,612
1978	Exports	**4,575**	3,868	3,319	399	150	707
	Imports	**4,751**	3,782	3,096	537	149	969
1979	Exports	**4,829**	3,967	3,271	511	185	862
	Imports	**5,089**	4,205	3,468	580	157	884
1980	Exports	**5,593**	3,922	3,177	569	176	1,671
	Imports	**6,409**	4,983	3,989	826	168	1,426
1981	Exports	**5,406**	4,063	3,018	730	315	1,343
	Imports	**6,546**	5,260	4,139	918	203	1,286
1982	Exports	**5,928**	5,008	3,956	666	386	920
	Imports	**6,645**	5,886	4,507	1,082	297	759
1983	Exports	**6,416**	5,521	4,494	746	281	895
	Imports	**7,219**	6,255	4,926	1,120	209	964

[a] Exports are on an f.o.b. basis; imports are on a c.i.f. basis. Cuban trade with non-Communist countries is based on hard currency world prices while its Communist country trade uses soft currency negotiated prices which are frequently subsidized in Cuba's favor and do not reflect real market values. The result is a more favorable global trade balance than if Cuba conducted all of its trade at world market prices.

[b] Including data for China, Mongolia, North Korea, and Vietnam.

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Table 76

Million US $

Cuban Exports [a]

	1965	1970	1975	1978	1979	1980	1981	1982	1983
Total	**691**	**1,050**	**3,572**	**4,575**	**4,829**	**5,593**	**5,406**	**5,928**	**6,416**
Sugar	591	806	3,209	3,957	4,144	4,677	4,269	4,560	4,730
Raw and refined	579	785	3,183	3,931	4,090	4,624	4,225	4,526	4,717
Molasses	12	21	26	26	55	53	44	34	13
Minerals	50	175	169	212	223	270	409	347	360
Nickel	40	173	164	206	213	260	400	339	352
Other	10	2	5	6	10	10	9	8	8
Tobacco	33	33	63	92	83	51	72	124	119
Raw	19	15	22	29	30	8	24	54	37
Manufactured	14	18	41	63	53	43	48	70	82
Foodstuffs	5	29	131	208	241	255	301	312	372
Fish and shellfish	3	19	63	113	132	124	126	117	122
Citrus	1	3	14	39	47	58	99	118	137
Other [b]	12	7	NEGL	106	138	340	355	585	835

[a] Exports are f.o.b.
[b] Includes reexports of petroleum imports.

Table 77

Million US $

Cuban Imports [a]

	1965	1970	1975	1977	1978	1979	1980	1981	1982
Total	**866**	**1,311**	**3,767**	**4,362**	**4,751**	**5,089**	**6,409**	**6,546**	**6,645**
Food and live animals, beverage, tobacco, oil, fats	205	263	718	736	861	865	1,093	1,117	1,001
Crude materials, except fuels	25	61	145	133	282	215	278	278	258
Mineral fuels, lubricants	85	114	377	605	859	1,049	1,311	1,421	1,807
Chemicals	46	77	212	155	219	329	426	431	361
Manufactures	153	130	464	437	512	777	884	932	913
Basic manufactured machinery and transport equipment	133	368	911	1,433	1,277	1,738	2,253	2,205	2,097
Miscellaneous manufactured articles	NEGL	NEGL	1	1	28	116	164	162	208
Other [b]	219	298	939	862	713	0	0	0	0

[a] Imports are c.i.f.
[b] Some of the imports reported in the other category through 1978 probably could be included in "manufactures" or "basic manufactured machinery and transport equipment".
Sources: *Anuario Estadistico de Cuba* (various issues), various National Bank of Cuba publications.

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Million US $

Table 78

Communist Economic Aid to Less Developed Countries, Extensions and Drawings

	Total		USSR		Eastern Europe		China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
Total	**45,740**	**21,840**	**26,700**	**12,375**	**13,120**	**5,475**	**5,920**	**3,990**
1954-73	17,910	7,990	9,275	4,965	4,990	1,660	3,640	1,365
1974	1,935	1,215	815	700	840	235	280	275
1975	2,925	980	1,970	500	545	270	410	210
1976	2,190	1,230	1,005	475	990	405	195	355
1977	1,160	1,330	435	550	515	505	210	275
1978	4,820	1,200	3,000	480	1,600	425	220	290
1979	4,570	1,105	3,750	575	645	305	175	225
1980	4,310	1,340	2,585	810	1,320	300	400	230
1981	1,415	1,480	580	855	725	385	110	245
1982	1,565	1,920	965	1,160	560	485	40	270
1983	2,935	2,045	2,315	1,300	390	495	230	250

Million US $

Table 79

Communist Military Aid to Less Developed Countries, Extensions and Drawings

	Total		USSR		Eastern Europe		China	
	Extended	Drawn	Extended	Drawn	Extended	Drawn	Extended	Drawn
Total	**101,870**	**77,990**	**83,225**	**66,815**	**11,120**	**8,115**	**7,525**	**3,060**
1954-73	15,095	12,990	13,180	11,300	1,400	1,240	515	450
1974	6,425	2,460	5,735	2,225	600	210	90	25
1975	3,860	2,405	3,185	2,030	635	275	40	100
1976	6,635	3,560	6,135	3,110	355	350	145	100
1977	10,215	5,245	9,490	4,815	650	355	75	75
1978	3,430	6,725	2,680	6,080	520	550	235	95
1979	9,770	9,085	8,830	8,340	745	645	195	100
1980	16,045	8,430	14,235	7,610	870	565	940	250
1981	12,010	8,875	6,500	7,155	2,550	1,280	2,965	435
1982	13,680	10,325	10,520	7,775	1,605	1,760	1,555	795
1983	4,700	7,885	2,740	6,375	1,185	885	770	630

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Table 80

Million US $

Soviet Economic Aid Extended to Less Developed Countries, by Recipient

	1954-83	1982	1983
Total	**26,699**	**965**	**2,314**
Africa	7,486	696	586
Algeria	1,347	...	250
Cameroon	8	...	...
Central African Republic	3	...	...
Chad	5	...	...
Congo	49	...	...
Equatorial Guinea	2	1	...
Ethiopia	975	...	265
Ghana	106	10	NEGL
Guinea	236	...	...
Kenya	49	...	...
Mali	122	22	...
Mauritania	9	NEGL	2
Morocco	2,098	...	...
Niger	2	...	...
Nigeria	1,207	...	...
Rwanda	1	...	...
Senegal	8	...	...
Sierra Leone	30	...	...
Somalia	164	...	...
Sudan	65	...	...
Tanzania	44	5	...
Tunisia	123	...	27
Uganda	35	...	11
Upper Volta	6	...	...
Zambia	30	...	9
Other	763	660	22
East Asia	**261**	**...**	**...**
Indonesia	214	...	...
Other	47	...	...
Latin America	**1,782**	**176**	**182**
Argentina	295	...	68
Bolivia	175	2	72
Brazil	158	...	15
Chile	238	...	...
Other	916	174	27
Middle East and South Asia	**17,170**	**93**	**1,546**
Afghanistan	2,889	90	371
Bangladesh	447	...	73
Egypt	1,439	...	...
India	3,222	...	140
Iran	1,164	...	NA
Iraq	704	...	...
North Yemen	197	...	...
Pakistan	1,216	...	277
Sri Lanka	100	...	...
Syria	1,149	...	326
Turkey	3,399	...	...
Other	1,244	3	360

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Million US $

Table 81

East European Economic Aid Extended to the Less Developed Countries, by Recipient

	1954-83	1982	1983
Total	**13,120**	**560**	**388**
Africa	**3,524**	**113**	**122**
Algeria	774	...	...
Ethiopia	392	...	2
Ghana	147	...	...
Guinea	130	20	...
Mali	23	...	...
Morocco	214	...	...
Nigeria	457	70	5
Somalia	41	...	25
Sudan	269	...	...
Tanzania	87	10	...
Tunisia	281	...	50
Zambia	166	...	...
Other	542	12	40
East Asia	**677**	**10**	...
Burma	213	...	...
Kampuchea	17	...	...
Indonesia	367	NA	...
Other	80	10	...
Latin America	**2,573**	**93**	**266**
Argentina	298	...	...
Bolivia	87	...	10
Brazil	781	...	...
Chile	145	...	...
Colombia	81	...	...
Ecuador	19	...	...
Peru	253	...	...
Uruguay	31	...	...
Venezuela	10	...	...
Other	867	93	255
Middle East and South Asia	**6,346**	**344**	NA
Afghanistan	210	...	...
Bangladesh	686	252	...
Egypt	1,308	83	...
India	455	...	...
Iran	686	...	...
Iraq	493	...	...
Lebanon	9	...	...
North Yemen	38	...	...
Pakistan	151	...	...
South Yemen	140	...	...
Sri Lanka	93	...	...
Syria	1,154	...	...
Turkey	912	9	NA
Other	10	...	...

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Table 82

Million US $

Chinese Economic Aid Extended to the Less Developed Countries, by Recipient

	1956-83	1982	1983
Total	**5,921**	**41**	**231**
Africa	**3,372**	**10**	**133**
Algeria	92	...	...
Benin	44	...	NEGL
Burundi	58	...	...
Cameroon	103	...	...
Central African Republic	29	...	15
Chad	68	...	...
Congo	199	...	88
Ethiopia	138	...	...
Ghana	42	...	...
Guinea	144	10	...
Kenya	64	...	...
Madagascar	89	...	...
Mali	128	...	1
Mauritania	87	...	...
Mauritius	35	...	...
Niger	52	...	...
Rwanda	56	...	...
Senegal	52	...	...
Sierra Leone	61	...	...
Somalia	164	...	...
Sudan	139	...	...
Tanzania	428	...	8
Togo	46	...	...
Tunisia	97	...	...
Uganda	42	...	...
Upper Volta	51	...	...
Zaire	138	...	...
Zambia	345	...	8
Other	380	...	14
East Asia	**422**	...	**55**
Burma	225	...	53
Indonesia	47	...	...
Kampuchea	92	...	...
Laos	26	...	2
Other	31	...	...
Latin America	159	1	2
Chile	65	...	...
Guyana	38	1	...
Peru	42	...	...
Other	13	...	2
Middle East and South Asia	**1,923**	**30**	**40**
Afghanistan	76	...	...
Bangladesh	107	...	...
Egypt	193	...	...
Iraq	45	...	...
Nepal	293	30	...
North Yemen	130	...	...
Pakistan	651	...	...
South Yemen	96	...	...
Sri Lanka	222	...	...
Syria	70	...	...
Other	40	...	40
Europe	**45**	...	...
Malta	45	...	...

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Number of persons

Table 83

Military Personnel From the Less Developed Countries Trained in Communist Countries, 1955-83

	Total	USSR	Eastern Europe	China
Total	**72,325**	**57,570**	**11,245**	**3,510**
Africa	**27,595**	**19,430**	**5,275**	**2,890**
North Africa	**10,145**	**6,660**	**3,470**	**15**
Algeria	3,370	2,695	660	15
Libya	6,630	3,890	2,740	...
Morocco	145	75	70	...
Sub-Saharan	**17,450**	**12,770**	**1,805**	**2,875**
Angola	305	300	5	...
Benin	120	120	NA	...
Congo	1,075	535	125	415
Equatorial Guinea	200	200	...	...
Ethiopia	2,120	1,600	520	...
Ghana	185	185	...	...
Guinea	1,385	920	105	360
Mali	905	845	10	50
Mozambique	580	400	130	50
Nigeria	835	800	35	...
Somalia	2,635	2,395	210	30
Sudan	610	330	20	260
Tanzania	3,185	2,110	50	1,025
Zambia	685	490	135	60
Other	2,625	1,540	460	625
East Asia	**9,300**	**7,590**	**1,710**	**...**
Indonesia	9,270	7,560	1,710	...
Kampuchea	30	30	...	...
Latin America	**1,285**	**1,040**	**245**	**...**
Nicaragua	370	125	245	...
Peru	910	910	...	...
Other	5	5	...	...
Middle East	**23,775**	**20,345**	**3,270**	**160**
Egypt	6,315	5,665	650	...
Iran	665	315	330	20
Iraq	4,860	3,910	830	120
North Yemen	4,060	4,060	...	...
South Yemen	1,335	1,295	40	...
Syria	6,515	5,100	1,415	...
Other	25	...	5	20
South Asia	**10,370**	**9,165**	**745**	**460**
Afghanistan	6,380	5,725	655	...
Bangladesh	485	445	...	40
India	3,030	2,940	90	0
Pakistan	460	45	NA	415
Sri Lanka	15	10	...	5

[a] Data refer to the minimum number of persons departing for training. Numbers are rounded to nearest five.

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Table 84

Number of persons

Communist Economic and Military Technicians in Less Developed Countries, by Country, 1983 [a]

	Economic		Military	
	USSR and Eastern Europe	China	USSR and Eastern Europe	China
Total	**124,470**	**28,790**	**20,180**	**530**
Africa	**87,025**	**9,485**	**9,130**	**355**
North Africa	**69,155**	**2,205**	**3,590**	**0**
Algeria	11,450	450	790	...
Libya	54,700	55	2,800	NA
Mauritania	10	700	...	...
Morocco	2,545	75	...	...
Tunisia	450	925	...	...
Other	...	...	...	20
Sub-Saharan	**17,870**	**7,280**	**5,540**	**355**
Angola	3,500	10	1,700	...
Ethiopia	1,900	250	2,300	...
Gabon	10	70	...	...
Ghana	60	50	...	...
Guinea	800	100	30	...
Guinea-Bissau	250	75	55	...
Kenya	50	50	...	...
Madagascar	190	500	200	...
Mali	505	250	150	...
Mozambique	2,375	100	800	...
Niger	30	50	...	...
Nigeria	6,425	150	10	...
Rwanda	15	700	...	...
Sao Tome/Principe	10	45	NA	...
Senegal	90	100	...	...
Sierra Leone	25	265	...	...
Somalia	5	450	...	10
Sudan	10	475	5	40
Tanzania	200	600	85	50

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Table 84 (continued)

Number of persons

Communist Economic and Military Technicians in Less Developed Countries, by Country, 1983 [a]

	Economic		Military	
	USSR and Eastern Europe	China	USSR and Eastern Europe	China
Zambia	405	200	50	20
Other	1,015	2,790	155	235
East Asia	**40**	**375**	...	...
Europe	**75**	**300**	...	...
Latin America	**1,365**	**40**	**310**	...
Bolivia	65	...	...	...
Brazil	120	...	...	...
Colombia	35	...	...	...
Nicaragua	650	...	150	...
Peru	90	10	150	...
Uruguay	20	...	...	...
Other	385	30	10	...
Middle East	**28,125**	**17,345**	**8,260**	**115**
Iran	2,650	...	50	...
Iraq	15,325	12,000	1,300	50
North Yemen	275	3,500	500	...
South Yemen	1,300	...	550	...
Syria	4,000	15	5,800	...
Other	4,575	1,830	60	65
South Asia	**7,840**	**1,245**	**2,480**	**40**
Afghanistan	5,250	...	2,000	...
Bangladesh	110	175	20	40
India	1,150	...	425	...
Nepal	20	350	...	...
Pakistan	1,250	500	...	...
Sri Lanka	55	215	...	...
Other	5	5	35	...

[a] Minimum estimates of number of present for one month or more, rounded to the nearest five.

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Table 85

Number of persons

Academic, Technical, and Military Trainees Departing From Less Developed Countries for Training in Communist Countries, by Area of Destination [a]

	1979	1980	1981	1982	1983
Total trainees	**19,030**	**20,700**	**19,900**	**22,990**	**26,900**
USSR and Eastern Europe	18,965	20,610	19,750	22,760	26,495
China	65	90	150	230	405
Academic trainees	**13,865**	**13,530**	**12,520**	**12,825**	**14,995**
USSR and Eastern Europe	13,815	13,480	12,465	12,470	14,795
China	50	50	55	85	200
Technical trainees	**2,975**	**3,745**	**4,805**	**5,110**	**5,715**
USSR and Eastern Europe	2,975	3,745	4,805	5,035	5,665
China	...	...	...	75	50
Military trainees	**2,190**	**3,425**	**2,575**	**5,055**	**6,190**
USSR and Eastern Europe	2,175	3,385	2,480	4,985	6,035
China	15	40	95	70	155

[a] Rounded to the nearest five persons. Data are for persons departing for training and not necessarily those completing training.

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Million US $

Table 86

Soviet Economic Aid Extended to Communist Countries

	1954-82	1978	1979	1980	1981	1982
Total	**111,960**	**5,535**	**9,205**	**18,110**	**20,725**	**15,575**
Eastern Europe	**65,065**	**1,300**	**4,400**	**12,500**	**14,100**	**9,000**
East Asia	**8,640**	**600**	**940**	**1,310**	**1,370**	**1,145**
North Korea	1,310	35	75	260	145	130
Vietnam	7,330	565	865	1,050	1,225	1,015
Other	**38,255**	**3,635**	**3,865**	**4,300**	**5,255**	**5,430**
Cuba	28,890	2,945	3,180	3,465	4,440	4,560
Mongolia	9,365	690	685	835	815	870

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Table 87

Million US $

US Economic Loans and Grants Extended to the Less Developed Countries [a]

	1946-83 [b]	1975 [c]	1979 [c]	1980 [c]	1981 [c]	1982 [c]	1983 [c]
Total	**133,256**	**4,548**	**7,106**	**7,570**	**7,251**	**8,040**	**8,591**
Africa	**10,432**	**335**	**601**	**800**	**922**	**954**	**971**
Ethiopia	388	24	16	15	5	2	3
Ghana	428	8	24	28	26	17	7
Liberia	486	16	18	24	55	66	63
Libya	212	0	0	0	0	0	0
Morocco	1,142	24	27	27	56	63	54
Nigeria	406	9	0	0	0	0	0
Tunisia	930	13	32	29	40	17	19
Zaire	700	5	37	26	29	24	30
Other	5,740	236	447	651	711	765	795
East Asia	**27,636**	**494**	**352**	**407**	**326**	**277**	**286**
Indonesia	2,904	90	191	196	130	91	111
Kampuchea	909	149	0	38	14	4	2
Laos	902	26	2	0	0	0	0
Philippines	2,326	68	72	83	98	107	103
South Korea	5,971	37	41	31	28	0	0
China (Taiwan)	2,207	0	0	0	0	0	0
Thailand	827	7	25	30	31	36	29
Other	11,590	117	21	29	25	39	41
Latin America	**14,616**	**520**	**449**	**498**	**611**	**840**	**1,161**
Argentina	199	NEGL	NEGL	0	0	NEGL	0
Bolivia	840	26	51	30	13	20	63
Brazil	2,426	15	2	2	1	1	NEGL
Chile	1,172	96	14	10	12	7	3
Colombia	1,367	28	9	23	6	3	4
Dominican Republic	824	12	48	56	38	82	63
Ecuador	457	8	6	12	18	23	27
Guatemala	499	14	25	13	19	16	30

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Table 87 (continued)

Million US $

US Economic Loans and Grants Extended to the Less Developed Countries [a]

	1946-83 [b]	1975 [c]	1979 [c]	1980 [c]	1981 [c]	1982 [c]	1983 [c]
Mexico	334	NEGL	13	7	10	9	8
Panama	432	21	21	2	11	13	7
Peru	835	16	71	53	80	55	94
Venezuela	201	2	NEGL	0	NEGL	NEGL	NEGL
Other	5,030	282	189	290	403	611	862
Middle East and South Asia	**45,712**	**1,786**	**2,795**	**2,802**	**2,757**	**2,958**	**3,014**
Afghanistan	525	21	11	0	0	0	0
Bangladesh	1,710	304	208	157	152	172	172
Egypt	8,587	370	1,088	1,166	1,130	1,065	1,005
Greece	1,910	0	0	0	0	0	0
India	10,633	249	228	222	275	222	210
Iran	766	2	NEGL	0	0	0	0
Israel	7,149	353	790	786	764	806	785
Jordan	1,365	99	101	73	10	15	20
Pakistan	5,472	181	50	59	77	200	279
Turkey	3,779	4	70	198	201	301	286
Other	3,816	203	249	141	148	177	257
Europe and Oceania	**2,615**	**95**	**52**	**94**	**41**	**48**	**39**
Spain	1,089	3	7	7	7	22	12
Other	1,526	92	45	87	34	26	27
Interregional	**32,245**	**1,318**	**2,857**	**2,969**	**2,594**	**2,963**	**3,120**

[a] Data are for fiscal years and are for official development assistance, which is concessional.

[b] Data are reported on a net basis, excluding total deobligations.

[c] Data reported are on a gross basis.

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Table 88

Million US $

US Military Deliveries to the Less Developed Countries [a]

	1975-83	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	**64,487**	**4,412**	**5,410**	**7,324**	**7,546**	**7,563**	**5,973**	**6,965**	**8,579**	**10,715**
North Africa and the Middle East	**48,936**	**2,218**	**4,224**	**5,609**	**6,121**	**6,203**	**4,324**	**5,052**	**6,500**	**8,685**
Egypt	2,782	0	1	12	57	193	209	207	1,066	1,037
Iran	10,180	1,035	1,999	2,555	2,065	2,519	7	0	0	0
Israel	8,084	777	1,010	1,091	948	515	853	1,309	1,122	459
Jordan	1,621	32	138	112	178	126	277	221	193	344
Kuwait	773	13	22	157	191	74	79	67	92	78
Lebanon	289	2	5	NEGL	10	11	17	14	39	191
Morocco	647	3	20	55	99	142	69	128	64	67
North Yemen	299	2	NEGL	22	27	70	72	49	40	17
Oman	92	2	1	1	1	1	8	18	34	26
Saudi Arabia	23,517	350	1,019	1,594	2,535	2,500	2,640	3,005	3,782	6,092
Tunisia	135	2	3	6	2	45	11	24	16	26
Other	517	NEGL	6	4	8	7	82	10	52	348
Sub-Saharan Africa	**718**	**26**	**63**	**99**	**111**	**38**	**53**	**72**	**160**	**96**
Cameroon	23	0	1	8	3	NEGL	3	1	3	4
Kenya	135	1	0	1	47	8	4	28	25	21
Liberia	16	NEGL	1	NEGL	0	2	1	1	1	10
Nigeria	95	4	26	4	10	9	11	11	13	7
Somalia	35	0	0	0	0	0	0	0	14	21
Sudan	193	0	0	0	32	8	22	23	94	14
Zaire	65	1	4	9	12	7	10	7	7	8
Other	156	20	31	77	7	4	2	1	3	11

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Table 88 (continued)

Million US $

US Military Deliveries to the Less Developed Countries [a]

	1975-83	1975	1976	1977	1978	1979	1980	1981	1982	1983
Latin America	**1,533**	**144**	**219**	**211**	**125**	**122**	**139**	**101**	**239**	**233**
Argentina	135	10	12	13	24	36	12	11	10	7
Brazil	251	46	90	14	12	16	15	15	14	29
Chile	146	13	40	57	11	15	10	0	0	0
Colombia	74	2	2	8	4	8	5	12	21	12
Ecuador	114	2	6	10	24	9	11	8	13	31
El Salvador	123	NEGL	1	NEGL	1	NEGL	2	13	59	47
Mexico	130	1	2	6	3	2	4	5	76	31
Peru	151	9	32	31	18	16	15	10	11	9
Venezuela	246	42	13	52	10	14	20	22	30	43
Other	163	19	21	20	18	6	45	5	5	24
Asia	**11,817**	**1,963**	**756**	**1,200**	**1,068**	**1,082**	**1,329**	**1,504**	**1,390**	**1,525**
India	71	3	10	10	11	11	9	5	6	6
Indonesia	409	21	35	37	22	30	117	77	29	41
Malaysia	345	32	19	44	66	22	24	58	29	51
Pakistan	748	14	16	44	53	63	57	89	151	261
Philippines	391	30	45	50	54	38	56	33	53	32
Singapore	415	13	22	22	14	91	29	75	44	105
South Korea	3,483	208	357	272	508	474	497	432	404	331
Taiwan	2,675	169	183	194	214	227	269	442	467	510
Thailand	1,259	52	69	54	113	98	248	271	171	183
Other	2,021	1,421	NEGL	473	13	28	23	22	36	5
Europe	**1,483**	**61**	**148**	**205**	**121**	**118**	**128**	**236**	**290**	**176**
Portugal	209	2	2	4	25	11	20	24	88	33
Spain	1,274	59	146	201	96	107	108	212	202	143

[a] Fiscal years. Including deliveries under the following programs: (1) Military Assistance Program grants under the various Mutual Security Acts; (2) Foreign Military Sales, which consist of US-financed arms, US-guaranteed private arms credits, and US-approved commercial sales; and (3) Military assistance excess stocks, which involved surplus equipment that has been valued at 33 percent of the original acquisition value.

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Table 89

Billion US $

Net Financial Flows to Developing Countries [a]

Net Disbursements	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total	**31.5**	**46.0**	**52.5**	**57.7**	**78.4**	**83.4**	**85.3**	**98.3**	**90.6**
Official flows	**18.2**	**23.6**	**24.6**	**26.4**	**34.8**	**35.3**	**44.6**	**42.8**	**44.5**
Bilateral	15.2	19.8	20.0	20.6	27.8	29.1	35.6	35.6	35.2
Industrial countries	10.4	12.8	12.7	13.3	18.4	19.5	23.4	24.7	26.0
OPEC [b]	3.4	6.2	6.1	6.1	8.1	7.8	10.1	8.5	6.8
Communist countries [c]	1.4	0.8	1.2	1.2	1.3	1.8	2.1	2.4	2.4
Multilateral	3.0	3.8	4.6	5.8	7.0	6.2	9.0	7.2	9.3
Private flows	**13.3**	**22.4**	**27.9**	**31.3**	**43.6**	**48.1**	**40.7**	**55.5**	**46.1**

[a] Net disbursements. Official flows consist of Official Development Assistance (ODA) and Other Official Flows (OOF). Private flows consist of direct investment, private export credits, and portfolio investment. Data differs from those presented in earlier editions of the *Handbook*.
[b] Gross flows of ODA, other official flows are not available.
[c] Members of the Council for Mutual Economic Cooperation (CEMA).

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Table 90

Million US $

Gross Official Bilateral Capital Flows [a] From Development Assistance Committee Members to Major LDC Recipients, 1954-82

	Total	United States	Other [b]
Total	**308,534**	**119,318**	**189,216**
Africa	**79,782**	**11,708**	**68,074**
Algeria	8,840	1,161	7,679
Guinea	459	197	262
Other	70,483	10,350	60,133
East Asia	**50,666**	**26,694**	**23,972**
Indonesia	11,852	3,386	8,466
South Korea	11,384	8,051	3,333
Other	27,430	15,257	12,173
Latin America	**48,764**	**24,287**	**24,477**
Brazil	8,804	4,944	3,860
Chile	3,266	2,272	994
Other	36,694	17,071	19,623
Middle East and South Asia	**85,635**	**43,342**	**42,293**
Afghanistan	857	461	396
Egypt	9,692	6,204	3,488
India	22,885	10,697	12,188
Iran	2,887	1,177	1,710
Iraq	442	53	389
North Yemen	616	159	457
Pakistan	10,769	5,684	5,085
Syria	548	283	265
Turkey	9,560	4,721	4,839
Other	27,379	13,903	13,476
Europe	**7,103**	**4,052**	**3,051**
Other	**36,584**	**9,235**	**27,349**

[a] Total gross official capital flows include official development assistance, which is concessional, and other official flows, which are less concessional or are primarily trade facilitating in character. Data does not include flows to Yugoslavia.

[b] Including Australia, Austria, Belgium, Canada, Denmark, Finland, France, Italy, Japan, Norway, the Netherlands, Sweden, Switzerland, the United Kingdom, and West Germany; also including Portugal for the period 1954-72. New Zealand became a DAC member in 1974.

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Energy

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Table 91

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production [a]

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
OECD											
United States	21,143	24,918	30,819	31,071	30,508	30,154	32,162	32,567	32,397	32,182	30,753
Canada	1,750	2,539	3,709	4,942	4,893	4,678	5,258	4,840	4,810	4,815	4,895
Japan	1,017	1,106	1,028	774	861	874	1,076	1,178	1,189	1,225	1,235
Norway	158	255	298	405	427	589	1,297	1,424	1,447	1,468	1,565
European Community	**6,940**	**7,280**	**7,220**	**7,770**	**7,860**	**8,280**	**10,200**	**10,400**	**10,800**	**11,000**	**11,400**
France	1,082	1,115	1,026	860	874	899	983	1,129	1,363	1,321	1,500
Netherlands	216	233	648	1,349	1,583	1,702	1,754	1,713	1,590	1,365	1,452
United Kingdom	2,693	2,682	2,348	2,453	2,295	2,571	4,125	4,242	4,417	4,714	4,982
West Germany	2,503	2,521	2,495	2,400	2,402	2,357	2,484	2,523	2,502	2,597	2,448
Other countries											
Indonesia	428	513	873	1,364	1,405	1,359	1,920	1,933	1,974	1,693	NA
Iran	1,126	1,977	3,920	6,267	6,481	5,802	3,564	1,840	1,525	2,453	NA
Kuwait	1,766	2,451	3,138	3,171	2,686	2,225	2,773	1,878	1,286	933	1,216
Mexico	445	548	825	944	1,078	1,226	2,244	2,937	3,448	3,940	3,858
Saudi Arabia	1,405	2,313	3,929	7,763	8,717	7,312	10,046	10,523	10,694	7,126	NA
Venezuela	2,940	3,632	3,945	3,717	3,331	2,690	2,784	2,588	2,527	2,326	NA
Communist countries											
USSR and Eastern Europe	**13,100**	**17,800**	**22,400**	**25,100**	**26,400**	**27,700**	**32,600**	**33,300**	**33,700**	**34,900**	**35,600**
USSR	9,250	13,227	17,074	19,541	20,737	21,906	26,298	27,029	27,694	28,487	29,193
Eastern Europe	**3,870**	**4,570**	**5,280**	**5,550**	**5,660**	**5,840**	**6,330**	**6,250**	**5,980**	**6,370**	**6,450**
Bulgaria	109	144	151	133	123	143	169	175	186	203	209
Czechoslovakia	761	865	906	898	908	907	979	967	963	985	989
East Germany	1,027	1,113	1,172	1,105	1,113	1,126	1,198	1,220	1,260	1,289	1,304
Hungary	207	254	277	276	276	270	287	281	279	289	293
Poland	1,278	1,531	1,895	2,133	2,197	2,294	2,600	2,493	2,138	2,435	2,476
Romania	487	666	879	1,009	1,039	1,096	1,098	1,115	1,155	1,165	1,182
Other											
China	NA	2,682	4,131	5,476	5,842	6,776	8,995	8,856	8,816	9,315	9,900
North Korea	NA	324	378	NA	NA	475	642	738	761	793	NA
Yugoslavia	202	286	330	362	400	402	496	532	552	572	587

[a] Data are for coal, crude oil, natural gas, natural gas liquids, hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

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Table 92

Thousand Barrels per Day of Oil Equivalent

Primary Energy Consumption [a]

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982
OECD	**37,800**	**47,600**	**63,100**	**71,900**	**71,600**	**69,500**	**79,100**	**77,200**	**75,300**	**72,900**
United States	20,628	24,782	31,416	35,017	35,016	34,068	38,804	37,846	36,944	35,408
Canada	1,960	2,417	3,079	3,681	3,755	3,787	4,448	4,590	4,508	4,353
Japan	1,931	3,179	5,758	7,070	7,167	6,874	7,715	7,487	7,289	7,026
Norway	186	267	360	404	401	406	492	485	496	481
Spain	433	574	939	1,192	1,256	1,285	1,559	1,494	1,452	1,513
European Community	**10,800**	**13,700**	**17,800**	**20,100**	**19,500**	**18,600**	**20,900**	**20,100**	**19,400**	**18,800**
Belgium [b]	588	751	968	1,090	1,061	971	1,102	1,055	990	946
France	1,840	2,364	3,143	3,730	3,651	3,440	4,036	4,019	3,923	3,758
Italy	1,058	1,617	2,450	2,791	2,792	2,663	2,980	2,914	2,861	2,776
Netherlands	487	735	1,155	1,476	1,412	1,394	1,606	1,507	1,422	1,295
United Kingdom	3,506	3,962	4,530	4,736	4,537	4,321	4,442	4,189	3,997	3,986
West Germany	2,960	3,762	4,876	5,473	5,333	5,006	5,788	5,544	5,331	5,149
Communist countries										
USSR and Eastern Europe	**12,300**	**16,400**	**20,800**	**23,800**	**25,000**	**25,900**	**30,500**	**31,200**	**31,300**	**32,100**
USSR	8,499	11,619	14,871	17,183	18,187	18,832	22,148	22,729	23,080	23,729
Eastern Europe	**3,800**	**4,800**	**5,950**	**6,620**	**6,790**	**7,110**	**8,340**	**8,450**	**8,260**	**8,380**
Bulgaria	132	254	391	470	504	526	640	646	667	689
Czechoslovakia	798	986	1,136	1,243	1,275	1,298	1,498	1,470	1,472	1,472
East Germany	1,171	1,336	1,491	1,538	1,555	1,576	1,798	1,835	1,835	1,836
Hungary	269	360	431	475	489	509	605	598	584	587
Poland	1,053	1,295	1,653	1,863	1,926	2,078	2,466	2,533	2,343	2,440
Romania	376	565	844	1,031	1,044	1,125	1,330	1,366	1,359	1,356
Other										
China	4,226	2,646	4,100	5,475	5,620	6,356	8,202	8,438	8,316	8,671
Yugoslavia	227	331	448	542	597	598	791	831	825	836

[a] Data are for coal, crude oil, natural gas liquids, natural gas, and hydroelectric and nuclear electricity expressed in terms of oil equivalent. Data exclude minor fuels such as peat, shale, and fuelwood and include marine bunkers.

[b] Including data for Luxembourg.

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Table 93

Thousand Barrels Per Day of Oil Equivalent

Primary Energy Production, by Type [a]

	1970				1980				1983			
	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear	Coal	Crude Oil	Natural Gas	Hydro/ Nuclear
OECD												
United States	7,359	11,380	10,686	1,394	9,785	10,170	9,838	2,774	9,131	10,244	8,092	3,286
Canada	171	1,625	1,110	803	437	1,754	1,202	1,447	526	1,655	1,158	1,556
Japan	538	18	45	427	244	10	39	885	231	8	37	959
Norway	6	0	0	292	4	566	431	423	6	654	436	469
European Community												
France	523	68	118	317	284	51	129	665	240	55	115	1,090
Netherlands	59	43	544	2	0	35	1,657	21	0	42	1,392	18
United Kingdom	1,992	2	194	160	1,762	1,639	629	212	1,614	2,404	685	279
West Germany	1,999	152	224	120	1,789	93	327	314	1,634	81	305	428
Other countries												
Indonesia	2	855	10	6	5	1,596	319	13	5	1,540	NA	15
Iran	7	3,870	35	8	12	1,672	141	15	12	2,502	NA	15
Kuwait	0	3,050	88	0	0	[illegible]	119	0	0	1,131	85	0
Mexico	40	475	234	76	90	2,132	634	81	90	2,952	721	95
Saudi Arabia	0	3,890	39	0	0	10,272	251	0	0	5,462	NA	0
Venezuela	1	3,753	170	21	1	2,225	288	74	1	1,935	NA	85
Communist countries												
USSR and Eastern Europe												
USSR	6,077	7,058	3,279	660	6,652	12,031	7,172	1,174	6,690	12,326	8,853	1,324
Eastern Europe												
Bulgaria	125	7	8	12	116	3	3	53	129	2	2	76
Czechoslovakia	861	4	17	23	905	2	9	51	924	2	9	54
East Germany	1,150	1	10	12	1,082	1	53	84	1,165	1	56	82
Hungary	182	39	56	1	140	41	99	1	136	40	104	13
Poland	1,790	8	84	11	2,364	7	104	18	2,364	6	90	16
Romania	125	281	460	13	178	241	639	57	208	243	681	50
Other												
China	3,298	590	71	172	6,198	2,076	254	329	7,150	2,110	220	420
North Korea	315	0	0	63	NA	NA	NA	NA	719 [b]	0 [b]	0 [b]	74 [b]
Yugoslavia	164	56	18	93	254	85	31	162	317	87	36	147

[a] Data are for coal, crude oil, natural gas, natural gas liquids, hydroelectric and nuclear electric power expressed in terms of oil equivalent, and exclude minor fuels such as peat, shale, and fuelwood.

[b] 1982 data.

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Table 94

Proved Reserves of Crude Oil, Natural Gas, and Coal, Yearend 1983 [a]

	Crude Oil [b] (Billion Barrels)	Natural Gas [b] (Trillion Cubic Feet)	Coal [c] (Million Metric Tons)
OECD			
United States	30	198	190,900
Canada	7	91	4,400
Norway	7	59	NA
European Community			
United Kingdom	14	25	45,000
West Germany	NEGL	7	34,500
Other countries			
Algeria	9	110	NA
Brazil	1	3	900
Ecuador	1	4	0
Egypt	3	7	NEGL
India	3	15	13,100
Indonesia	10	30	200
Iran	55	480	200
Iraq	41	29	0
Kuwait	64	31	0
Libya	22	21	0
Mexico	57	75	1,500
Other countries (continued)			
Nigeria	17	35	100
Oman	3	3	0
Qatar	3	62	0
Saudi Arabia	162	121	0
South Africa	0	NEGL	25,300
Syria	2	1	0
United Arab Emirates	32	29	0
Venezuela	22	55	100
Communist countries			
USSR and Eastern Europe			
USSR	60-80 [d]	1,200	165,500
Eastern Europe			
Poland	NEGL	5	30,600
Romania	1	9	400
Other			
North Korea	0	0	10,000 [e]
Yugoslavia	NEGL	1	8,700

[a] The portion of total resources which has been assessed as being exploitable under local economic conditions and available technology.

[b] Source for Non-Communist countries: *Oil and Gas Journal*.

[c] Yearend 1980. Data are expressed in terms of coal equivalent (7,000 kilocalories per kilogram). Source: *World Energy Conference of Energy Resources*, 1980.

[d] The Soviets do not publish reserve statistics on oil. Most recent published US and Western European estimates fall within this range.

[e] Including proved, probable, and some possible reserves.

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Table 95

Thousand Barrels per Day

Crude Oil Production [a]

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
OECD [b]	**7,860**	**9,010**	**11,500**	**11,800**	**11,200**	**10,800**	**12,800**	**12,900**	**12,900**	**13,300**	**13,700**
United States	7,055	7,804	9,648	9,208	8,774	8,375	8,550	8,597	8,572	8,658	8,680
Canada	526	793	1,305	1,800	1,684	1,439	1,496	1,424	1,285	1,270	1,320
Norway	0	0	0	32	35	189	403	528	501	518	614
European Community	**221**	**309**	**264**	**212**	**200**	**196**	**1,750**	**1,810**	**2,020**	**2,330**	**2,560**
United Kingdom	3	2	2	2	2	12	1,568	1,619	1,811	2,094	2,299
Other countries											
Algeria	183	544	976	1,065	980	945	1,154	1,020	803	701	699
Indonesia	411	501	855	1,339	1,375	1,307	1,591	1,576	1,604	1,314	1,385
Iran	1,068	1,895	3,831	5,861	6,022	5,350	3,168	1,662	1,381	2,282	2,492
Iraq	1,004	1,311	1,563	2,018	1,971	2,262	3,477	2,514	993	972	922
Kuwait [c]	1,696	2,362	2,983	3,018	2,547	2,085	2,497	1,661	1,132	822	1,076
Libya	0	1,238	3,321	2,175	1,521	1,480	2,092	1,830	1,137	1,183	1,076
Mexico	271	328	420	465	571	705	1,461	1,937	2,312	2,749	2,684
Nigeria	17	263	1,090	2,054	2,255	1,783	2,302	2,058	1,445	1,298	1,241
Saudi Arabia [c]	1,315	2,204	3,789	7,600	8,480	7,075	9,535	9,903	9,810	6,486	5,062
United Arab Emirates	0	282	691	1,533	1,680	1,663	1,831	1,702	1,500	1,248	1,119
Venezuela	2,846	3,473	3,708	3,366	2,976	2,346	2,356	2,165	2,108	1,893	1,790
Communist countries											
USSR and Eastern Europe	**3,210**	**5,140**	**7,300**	**8,710**	**9,300**	**9,920**	**11,700**	**12,000**	**12,100**	**12,100**	**12,100**
USSR	2,943	4,835	6,976	8,370	8,950	9,570	11,405	11,700	11,800	11,830	11,864
Eastern Europe	**266**	**304**	**327**	**342**	**348**	**349**	**300**	**284**	**285**	**287**	**283**
Bulgaria	4	5	7	4	3	2	3	3	3	3	3
Czechoslovakia	3	4	4	3	3	3	2	2	2	2	2
East Germany	1	1	1	1	1	1	1	1	1	1	1
Hungary	24	36	39	40	40	40	41	41	40	41	40
Poland	4	7	8	8	11	11	7	7	6	5	5
Romania	230	251	268	286	290	292	246	230	233	235	232
Other											
Albania	15	16	30	34	35	37	NA	NA	NA	NA	NA
China	102	228	602	1,138	1,364	1,542	2,112	2,113	2,024	2,044	2,120
Cuba	1	1	3	3	3	5	5	5	5	11	15
Yugoslavia	18	40	57	68	69	74	83	85	88	87	87

[a] Unless otherwise indicated, data are for crude oil and exclude natural gas liquids, shale oil, natural gasoline, and synthetic crude oil.

[b] Including shale oil.

[c] Including about one-half of neutral zone production.

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Table 96

Thousand Barrels per Day

Crude Oil Refining Capacity
1 January 1984

OECD	**37,680**	Indonesia	800	Trinidad and Tobago	456
United States	16,196	Iran	590	Virgin Islands	640
Australia	722	Iraq	350	Communist countries	
Canada	1,807	Kuwait	622	USSR and Eastern Europe	**13,030**
Japan	5,020	Libya	125	USSR	10,500
Spain	1,493	Nigeria	260	Eastern Europe	**2,530**
European Community	**12,442**	Qatar	63	Bulgaria	300
Belgium	694	Saudi Arabia	860	Czechoslovakia	450
France	2,670	Venezuela	1,224	East Germany	450
Italy	3,050	Other		Hungary	300
Netherlands	1,551	Argentina	677	Poland	380
United Kingdom	2,091	Bahamas	500	Romania	650
West Germany	2,386	Brazil	1,489	Other	
OPEC	**5,654**	Egypt	320	China	1,900
Abu Dhabi	185	India	583	Cuba	139
Algeria	471	Mexico	1,269	North Korea	74
Ecuador	84	Netherlands Antilles	740	Yugoslavia	530
Gabon	20	Singapore	1,101		

Table 97

Thousand Barrels per Day

Oil Consumption

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
United States	9,795	11,515	14,695	17,310	16,655	16,320	18,515	17,005	16,060	15,295	15,185
Japan	590	1,750	4,000	5,390	5,250	4,965	5,500	5,000	4,695	4,500	4,330
Canada	835	1,115	1,485	1,755	1,690	1,765	1,850	1,815	1,715	1,605	1,430
Western Europe	**4,010**	**7,660**	**12,400**	**14,700**	**13,800**	**13,100**	**14,400**	**13,400**	**12,300**	**11,700**	**11,400**
Belgium, Luxembourg, Netherlands	420	835	1,290	1,470	1,275	1,195	1,390	1,310	1,195	1,085	1,000
France	580	1,115	1,950	2,485	2,360	2,215	2,395	2,280	2,005	1,845	1,790
Italy	475	1,040	1,760	2,080	2,075	1,905	2,035	1,950	1,875	1,765	1,715
Spain [a]	120	255	540	760	845	890	1,035	1,040	990	985	1,005
United Kingdom	975	1,475	2,030	2,270	2,145	1,870	1,895	1,615	1,485	1,550	1,490
West Germany	660	1,570	2,570	2,985	2,675	2,565	2,900	2,605	2,330	2,225	2,205
Other	780	1,370	2,260	2,640	2,410	2,430	2,735	2,550	2,390	2,285	2,240

[a] Including the Canary Islands.

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Table 98

Thousand Barrels per Day

Major Exporters of Oil [a]

	1970	1971	1972	1973	1974	1975	1979	1980	1981	1982	1983
Non-Communist countries [b]											
United Arab Emirates	777	1,055	1,203	1,522	1,690	1,661	1,818	1,697	1,440	1,104	1,001
Algeria	985	693	1,007	1,029	937	940	1,031	868	708	607	554
Indonesia	725	749	943	1,167	1,160	1,095	1,270	1,197	1,191	868	910
Iran	3,519	4,173	4,675	5,424	5,532	4,886	2,580	952	816	1,644	1,920
Iraq	1,499	1,622	1,437	1,933	1,870	2,096	3,309	2,494	697	743	676
Kuwait [c]	2,831	3,009	3,136	2,847	2,396	1,991	2,372	1,551	1,005	669	907
Libya	3,313	2,747	2,215	2,210	1,518	1,478	2,051	1,776	1,049	1,050	958
Mexico	0	0	0	0	16	95	533	828	1,098	1,492	1,537
Nigeria	1,055	1,495	1,759	1,993	2,183	1,719	2,234	2,034	1,272	1,088	1,024
Saudi Arabia [c]	3,564	4,481	5,764	7,346	8,244	6,789	9,051	9,309	9,142	5,642	4,218
Venezuela	3,470	3,282	3,065	3,150	2,752	2,086	2,094	1,837	1,761	1,553	1,357
Communist countries											
USSR [d]	1,920	2,110	2,140	2,380	2,340	2,600	3,280	3,270	3,220	3,390	3,590

[a] Including refined products.
[b] Excluding bunkers.
[c] Including one-half of neutral zone production.
[d] Gross basis.

Table 99

Thousand Barrels per Day

Major Importers of Oil

	1970	1971	1972	1973	1974	1975	1979	1980	1981	1982	1983
OECD											
United States	3,419	3,926	4,741	6,256	6,088	6,056	8,388	6,767	5,982	5,113	5,051
Japan	4,206	4,442	4,839	5,576	5,460	5,008	5,635	5,091	4,650	4,451	4,313
France	2,146	2,333	2,557	2,875	2,742	2,278	2,762	2,549	2,177	1,977	1,851
Italy	2,345	2,426	2,485	2,669	2,516	2,121	2,435	2,152	2,126	2,051	1,842
West Germany	2,676	2,764	2,880	3,001	2,796	2,509	2,972	2,692	2,278	2,224	2,186
Communist countries											
Bulgaria	172	203	214	241	260	254	309	312	318	302	305
Czechoslovakia	218	250	273	310	320	339	396	403	388	363	363
East Germany	209	222	308	323	331	343	417	445	462	435	442
Hungary	107	114	136	151	157	188	233	206	187	208	212
Poland	189	204	241	285	273	330	410	415	349	328	350
Romania	46	57	57	83	91	102	286	319	254	218	210

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Thouand Barrels per Day

Table 100

Imports of Crude Oil and Refined Products by the OECD Countries, 1983

	OECD	US	Japan	Canada	Western Europe								Austra-lia	New Zealand
					Total	West Ger-many	France	United King-dom	Italy	Nether-lands	Spain	Other		
Algeria	801	240	28	16	517	96	136	21	56	73	60	75	0	0
Bahrain	34	0	24	0	6	NEGL	2	2	NEGL	0	2	0	3	1
Egypt	269	25	16	0	228	14	49	5	129	5	22	4	0	0
Iraq	393	10	14	0	369	29	41	2	95	3	41	158	0	0
Kuwait	406	13	120	3	237	28	20	6	87	63	1	32	32	1
Libya	920	0	0	5	915	212	63	30	219	82	79	230	0	0
Qatar	222	NEGL	144	0	74	15	17	0	13	7	21	1	4	0
Saudi Arabia	2,978	337	1,350	6	1,209	142	289	86	245	49	116	282	68	8
Syria	14	NEGL	0	0	14	11	0	3	0	0	0	0	0	0
United Arab Emirates	992	30	606	0	327	29	127	14	67	13	61	16	29	0
OAPEC	7,029	655	2,302	30	3,896	576	744	169	911	295	403	798	136	10
Ecuador	63	61	0	0	2	0	0	0	0	0	2	0	0	0
Gabon	123	59	0	0	64	3	11	9	9	10	13	9	0	0
Indonesia	942	338	571	0	10	0	0	7	0	1	2	0	8	15
Iran	1,331	48	394	43	846	41	85	12	238	138	147	185	0	0
Nigeria	971	302	0	14	655	149	169	38	97	58	30	114	0	0
Venezuela	845	422	24	61	338	111	31	32	81	14	25	44	0	0
OPEC [a]	10,987	1,860	3,251	148	5,563	855	989	257	1,207	511	598	1,146	141	24
Mexico	1,420	826	131	59	404	2	67	11	44	56	203	21	0	0
Other [b]	4,498 [c]	2,340	891	91	2,604 [d]	1,304	744	507	462	968	209	1,985	48	39
Total	**17,222** [c]	**5,051**	**4,313**	**298**	**8,819** [d]	**2,186**	**1,851**	**785**	**1,842**	**1,540**	**1,034**	**3,156**	**192**	**64**
Consumption	32,990	15,185	4,330	1,430	11,445	2,205	1,790	1,490	1,715	585	1,005	2,655	525	75

[a] OAPEC members excluding Bahrain, Egypt, and Syria plus other countries shown.
[b] Including unknown.
[c] Excluding intra-OECD trade.
[d] Excluding intra-European trade.

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Table 101

Billion Cubic Feet

Natural Gas Production [a]

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
OECD [b]	**13,700**	**18,200**	**27,100**	**31,100**	**30,700**	**29,500**	**31,500**	**30,100**	**29,800**	**27,900**	**26,200**
United States [c]	12,770	16,040	21,920	22,650	21,600	20,110	20,470	20,180	19,995	18,520	16,600
Canada	525	1,440	2,275	3,120	3,045	3,090	3,345	2,465	2,430	2,500	2,375
Norway	0	0	0	0	0	10	905	885	900	895	895
European Community	**356**	**613**	**2,690**	**5,010**	**5,700**	**5,950**	**6,240**	**6,080**	**5,910**	**5,360**	**5,660**
Netherlands	12	57	1,117	2,640	3,120	3,385	3,490	3,400	3,155	2,685	2,855
United Kingdom	NEGL	4	398	1,020	1,230	1,275	1,365	1,290	1,285	1,265	1,405
West Germany	16	98	465	550	540	515	630	670	680	595	625
Other countries											
Algeria	NEGL	62	160	170	200	335	915	685	870	1,050	1,490
Indonesia	NA	NA	NA	30	40	80	555	655	680	695	NA
Mexico [d]	222	250	481	540	560	585	920	1,300	1,480	1,550	NA
Venezuela	163	250	349	460	475	450	575	590	590	620	NA
Communist countries [e]											
USSR and Eastern Europe	**2,040**	**5,230**	**8,250**	**10,000**	**10,900**	**12,000**	**16,300**	**17,300**	**18,400**	**19,700**	**20,900**
USSR [c]	1,600	4,508	6,990	8,346	9,201	10,215	14,359	15,370	16,421	17,685	18,921
Eastern Europe	**435**	**722**	**1,260**	**1,660**	**1,720**	**1,800**	**1,950**	**1,950**	**2,000**	**2,010**	**2,000**
Bulgaria	0	3	17	8	6	4	5	7	5	5	5
Czechoslovakia	51	34	43	37	34	33	39	23	23	23	22
East Germany	1	5	44	248	273	257	300	300	300	300	300
Hungary	12	39	123	170	180	183	230	217	212	234	229
Poland	19	49	183	213	203	211	259	224	218	195	193
Romania	352	592	847	989	1,019	1,115	1,117	1,179	1,239	1,252	1,256
Other											
China	NA	39	136	226	260	325	512	504	444	411	411
Yugoslavia	2	12	35	47	51	55	66	64	78	81	74

[a] Data include only gas from natural gas wells and associated gas from petroleum fields.

[b] Data are for net production—that is, for gas actually collected and utilized as fuel or raw material. They exclude gas used for reinjection, as well as gas flared, vented, or wasted, whether or not it has been processed for the extraction of natural gasoline.

[c] Data for the United States are in terms of net marketed production. Data for the USSR refer to gross production less losses and waste. US gross production (less losses and waste), which includes gas reinjected in order to maintain reservoir pressure, would be as follows (in billion cubic feet):

1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
14,510	17,660	23,790	24,065	22,850	21,105	21,885	21,870	21,585	20,210	18,320

A much smaller share of total production in the USSR is believed to be used for reinjection.

[d] Including gas used for repressuring and gas wasted.

[e] Gross production.

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Million Metric Tons

Table 102

Hard Coal Production [a]

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
OECD	**923**	**992**	**983**	**914**	**898**	**953**	**1,050**	**1,100**	**1,100**	**1,130**	**1,070**
United States	391.53	475.28	550.39	530.13	539.34	576.18	670.62	710.38	700.84	712.38	658.91
Australia	21.90	30.06	45.21 [b]	55.48 [b]	57.97 [b]	60.70	73.42	73.63	87.38	96.79	100.00
Canada	8.02	8.64	11.60	16.82	17.78	21.71	28.01	30.58	33.28	35.32	36.70
Japan [c]	51.07	49.53	39.69	22.41	20.33	19.00	17.64	18.03	17.69	17.61	17.06
Spain	13.78	12.94	10.75	10.00	10.45	10.82	11.86	13.15	14.27	15.59	16.00
European Community	**432**	**409**	**317**	**272**	**244**	**257**	**240**	**251**	**242**	**245**	**227**
Belgium	22.47	19.79	11.36	8.84	8.11	7.89	6.12	6.32	6.13	6.54	6.00
France	55.96	51.35	37.36	26.35	24.01	23.64	18.61	20.20	20.30	17.06	17.00
United Kingdom [d]	196.71	190.50	147.11	132.02	110.45	128.68	122.36	130.09	127.46	124.72	119.22
West Germany [e]	143.26	135.46	116.34	102.99	100.89	96.76	93.31	94.49	88.46	96.31	84.65
Other countries											
India	52.59	67.16	73.69	77.87	84.08	95.89	103.45	109.10	123.11	128.30	139.00
South Africa	38.17	48.46	54.61	62.35	66.06	69.44	105.48	116.04	131.18	136.91	137.00
South Korea	5.35	10.25	12.39	13.57	15.29	17.58	18.20	18.54	19.98	18.38	19.00
Communist countries											
USSR and Eastern Europe	**496**	**556**	**613**	**657**	**675**	**696**	**737**	**725**	**683**	**716**	**715**
USSR	355.92	397.64	432.72	461.22	473.37	485.00	497.00	493.00	481.00	488.00	486.00
Eastern Europe	**140**	**158**	**180**	**196**	**201**	**211**	**240**	**232**	**202**	**228**	**229**
Bulgaria	0.57	0.55	0.40	0.35	0.31	0.33	0.27	0.27	0.24	0.24	0.24
Czechoslovakia	26.40	27.76	28.20	27.78	27.97	28.12	28.11	27.68	27.51	27.50	26.91
East Germany	2.72	2.21	1.05	0.75	0.59	0.54	0.05	NEGL	NEGL	NEGL	NEGL
Hungary	2.85	4.36	4.15	3.41	3.21	3.02	3.00	3.07	3.07	3.04	2.83
Poland	104.44	118.83	140.10	156.63	162.00	171.62	200.94	193.12	163.02	189.31	191.09
Romania	3.40	4.66	6.40	7.17	7.11	7.32	8.11	8.06	8.29	8.34	8.40
Other											
China [f]	280.00	232.20	327.40	398.10	409.00	478.00	635.00	620.00	622.00	666.00	700.33
North Korea [f]	6.80	12.30	21.80	26.40	25.80	27.30	39.50	45.60	47.20	48.80	NA
Yugoslavia	1.28	1.17	0.64	0.58	0.60	0.60	0.43	0.39	0.38	0.39	0.39

[a] Unless otherwise indicated, data are for net production of anthracite and bituminous coal.
[b] Twelve months ending 30 June of the stated year.
[c] Including brown coal.
[d] Excluding data for Northern Ireland.
[e] Including low-quality coal at its hard-coal equivalent.
[f] Raw production. Including a negligible amount of brown coal.

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Table 103

Million Metric Tons

Brown Coal and Lignite Production

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
OECD	**111**	**155**	**166**	**190**	**202**	**210**	**263**	**271**	**286**	**293**	**304**
United States	2.49	4.56	7.21	12.88	14.06	17.71	38.01	42.31	46.47	47.94	53.11
Australia	15.21	20.99	24.18 [a]	24.68 [a]	27.30 [a]	28.18	32.54	32.89	32.89	37.81	35.00
Austria	5.97	5.45	3.67	3.63	3.63	3.40	2.74	2.87	3.06	3.30	3.00
Canada	1.97	1.87	3.46	3.65	3.48	3.55	5.02	5.98	6.80	7.49	7.50
Spain	1.76	2.77	2.83	3.00	2.88	3.38	10.69	15.46	20.68	23.50	23.80
Turkey	1.91	3.09	4.44	5.73	6.34	7.11	14.96	13.66	13.50	12.80	22.00
European Community	**104**	**113**	**120**	**136**	**144**	**146**	**159**	**158**	**163**	**160**	**159**
Greece	2.49	5.09	8.08	13.57	14.40	18.41	23.57	23.20	27.31	27.29	30.90
West Germany	96.22	101.91	107.77	118.66	126.04	123.38	130.61	129.86	130.64	127.31	124.28
Other countries											
India	0.05	2.30	3.54	3.32	3.04	2.79	3.25	4.55	5.96	6.35	7.90
Communist countries											
USSR and Eastern Europe [b]	**469**	**550**	**587**	**588**	**589**	**602**	**627**	**630**	**635**	**656**	**672**
USSR	134.21	147.44	144.74	153.47	157.18	160.00	161.00	160.00	157.00	159.00	159.00
Eastern Europe	**335**	**403**	**442**	**434**	**432**	**442**	**466**	**470**	**478**	**497**	**513**
Bulgaria	15.42	24.49	28.85	26.46	24.00	27.52	27.96	29.95	28.98	31.97	33.56
Czechoslovakia	57.89	72.33	81.30	81.25	82.16	86.27	96.21	95.73	95.29	98.84	100.42
East Germany	225.47	250.84	261.48	246.25	243.47	246.71	256.06	258.10	266.73	276.04	278.00
Hungary	23.68	27.08	23.68	23.37	22.55	21.87	22.66	22.64	22.88	23.04	22.39
Poland	9.33	22.63	32.77	39.22	39.83	39.87	38.08	36.87	35.54	37.65	42.52
Romania	3.36	5.63	14.13	17.68	19.79	19.77	24.66	27.10	28.64	29.56	36.10
Other											
North Korea [c]	3.80	5.50	5.70	6.60	NA	7.70	12.50	14.40	15.80	16.20	NA
Yugoslavia	21.43	28.79	27.78	31.87	32.98	34.94	41.68	46.61	51.53	54.20	58.20

[a] Twelve months ending 30 June of the year stated.
[b] Net output.
[c] Including unknown amounts of hard coal.

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Table 104

Billion Kilowatt-Hours

Electricity Production [a]

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
OECD [b]	**1,710**	**2,430**	**3,520**	**4,300**	**4,340**	**4,400**	**5,260**	**5,240**	**5,290**	**5,220**	**5,380**
United States [c]	893.72	1,229.64	1,742.73	2,081.23	2,086.28	2,131.06	2,472.14	2,437.82	2,447.98	2,386.69	2,459.24
Of which: Hydro	149.12	196.98	250.70	275.33	303.95	303.15	281.55	276.02	260.68	309.21	332.13
Australia	23.20	36.91	53.89	64.80	69.74	73.93	92.09	96.32	102.46	104.89	109.19
Canada	115.10	146.32	208.34	268.64	285.48	278.74	361.32	376.05	389.00	384.51	404.71
Japan	111.49	188.38	359.54	470.29	459.04	475.79	589.64	577.52	583.25	581.15	603.00
Norway	31.14	48.95	57.61	73.06	76.70	77.48	89.12	84.10	92.77	91.87	104.74
Spain	18.61	31.72	56.49	76.27	80.86	82.38	105.41	110.32	110.70	113.77	118.80
Sweden	34.72	49.11	60.64	78.08	75.13	80.57	95.06	96.25	102.98	99.48	109.10
European Community	**428**	**622**	**866**	**1,050**	**1,060**	**1,050**	**1,270**	**1,260**	**1,260**	**1,250**	**1,260**
Belgium	15.15	21.71	30.52	41.07	42.76	41.07	52.26	53.64	50.64	50.70	51.40
France	75.01	105.58	146.97	182.36	188.18	185.31	241.13	243.29	260.76	262.25	268.60
Italy	56.24	82.97	117.42	145.52	148.90	147.33	180.53	185.74	181.75	183.72	182.90
Netherlands	16.52	25.01	40.86	52.63	55.35	54.26	64.45	64.80	64.06	60.31	58.00
United Kingdom	136.97	196.50	249.11	281.87	273.13	271.99	299.87	284.94	277.74	272.12	275.87
West Germany	116.42	172.34	242.61	299.00	311.71	301.80	374.22	368.77	368.77	366.86	366.80
Communist countries											
USSR and Eastern Europe	**406**	**677**	**987**	**1,220**	**1,290**	**1,380**	**1,640**	**1,710**	**1,750**	**1,800**	**1,860**
USSR	292.27	506.67	740.93	914.61	975.75	1,038.61	1,238.20	1,293.88	1,326.03	1,367.10	1,416.40
Of which: Hydro	50.91	81.43	124.38	122.34	132.03	125.99	172.02	183.89	186.74	174.70	179.90
Eastern Europe	**114**	**170**	**246**	**301**	**319**	**340**	**404**	**420**	**422**	**429**	**445**
Bulgaria	4.66	10.25	19.52	21.96	22.81	25.24	32.48	34.84	36.97	40.44	42.62
Czechoslovakia	24.46	34.19	45.16	53.47	56.03	59.28	68.09	72.73	73.50	74.70	75.88
East Germany	40.30	53.61	67.65	76.91	80.29	84.51	96.85	98.81	100.70	102.92	105.00
Hungary	7.62	11.18	14.54	17.64	18.98	20.46	24.51	23.87	24.29	24.52	25.70
Poland	29.26	43.77	64.53	84.27	91.60	97.17	117.47	121.86	115.01	117.58	125.81
Romania	7.65	17.22	35.09	46.78	49.06	53.72	64.93	67.49	71.12	68.90	70.20
Other											
Albania	0.19	0.34	0.96	1.55	1.65	1.66	2.80	NA	NA	NA	NA
China	NA	67.60	115.90	166.80	168.80	195.80	281.95	300.62	309.28	327.70	351.40
Cuba	2.90	3.57	4.89	5.60	6.02	6.58	9.40	9.90	10.57	11.02	11.40
North Korea	9.14	13.40	16.50	19.60	22.10	22.00	25.10	27.10	26.00	29.50	32.50
Yugoslavia	8.93	15.52	26.02	35.06	39.46	40.04	54.97	59.44	60.37	62.14	65.78

[a] Data are for total (gross) production at generating centers and therefore include transmission losses and station use (see footnote [b]).

[b] Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.5 percent the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.

[c] Beginning in 1980, data are for public utilities only.

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Table 105

Million Kilowatts

Installed Electricity Generating Capacity [a]

	1960	1965	1970	1973	1974	1975	1979	1980	1981	1982	1983
OECD											
United States [b]	186.53	254.52	360.33	459.25	495.36	527.35	615.69	630.94	634.81	649.52	656.98
Canada	23.03	29.35	42.83	54.38	57.53	61.35	77.23	82.00	83.75	85.22	NA
Japan [c]	23.64 [d]	38.06	59.48	85.30	95.50	104.21	131.22	137.94	143.70	150.00	NA
Norway	6.61	9.92	12.91	15.44	16.39	16.93	18.94	20.25	21.64	22.12	NA
Spain	6.57	10.17	17.91	23.20	24.32	25.76	27.91	29.32	31.04	NA	NA
Sweden	8.96	12.04	15.31	19.46	20.77	23.14	25.77	27.42	29.30	29.68	NA
European Community											
France	21.17 [e]	26.97 [e]	36.22	43.09	44.62	46.29	56.38	62.73	70.83	73.76	NA
Italy	16.31 [e]	23.82 [e]	30.41	36.51	38.34	39.10	44.34	46.13	47.27	49.46	NA
Netherlands	5.18	7.29	10.11	12.46	12.99	15.45	16.76	17.15	17.64	16.91	NA
United Kingdom	36.60 [e]	49.29 [e]	62.06	72.65	74.11	73.92	74.33	73.75	71.70	72.97	NA
West Germany	28.38 [e]	40.60 [e]	47.54	58.50	66.17	70.11	82.79	82.59	84.86	86.08	NA
Communist countries											
USSR and Eastern Europe											
USSR	66.72	115.03	166.15	195.56	205.44	217.48	245.28	266.71	276.72	285.49	295.00
Eastern Europe											
Bulgaria	0.92	2.16	4.12	5.11	6.17	7.06	7.99	8.85	9.06	9.50	NA
Czechoslovakia	5.72	8.21	10.81	12.12	12.81	13.64	16.37	16.65	17.96	18.91	NA
East Germany	7.84	10.31	12.57	15.04	15.91	16.93	19.44	20.45	21.37	21.89	NA
Hungary	1.48	2.00	2.73	3.23	3.74	4.29	5.24	5.41	5.34	5.65	NA
Poland	6.32	9.67	13.89	17.73	19.13	20.06	24.79	25.29	25.52	26.84	NA
Romania	1.78	3.26	7.35	10.12	10.58	11.58	15.60	16.11	16.60	16.91	NA
Other											
China	NA	15.08	23.77	33.92	38.11	43.41	63.02	65.87	69.29	72.36	76.64
Cuba [f]	0.94	0.96	1.30	1.30	1.32	1.40	2.17	2.62	2.63	2.83	NA
North Korea	1.79	2.12	2.80	4.00	4.50	4.60	5.04	5.04	5.04	6.10	6.30
Yugoslavia	2.40	3.73	6.97	8.65	8.88	9.39	12.89	14.08	15.30	16.00	NA

[a] All plants for both public and industrial use. Unless otherwise indicated, data are as of the end of the year.
[b] Beginning in 1981, data are for public utilities only.
[c] Capacity as of 31 March of the stated year.
[d] Capacity as of 31 March 1961.
[e] Gross capacity.
[f] Including 410,000-kW capacity in industrial plants not linked to the national grid system.

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Table 106

Thousand Megawatts

Installed Nuclear Electric Generating Capacity [a]

	1960	1970	1975	1978	1979	1980	1981	1982	1983
OECD	**0.9**	**14.3**	**62.7**	**93.3**	**106**	**113**	**128**	**134**	**146**
United States	0.4	6.0	37.4	50.1	50.3	52.2	55.3	57.6	60.4
Canada	0	0.2	2.5	4.8	5.5	5.5	5.2	5.2	7.2
Japan	0	0.8	5.0	11.0	14.5	14.5	15.0	16.6	16.6
Finland	0	0	0	0.4	1.1	1.1	2.2	2.2	2.2
Spain	0	0.2	1.1	1.1	1.1	1.1	2.0	2.0	2.0
Sweden	0	NEGL	2.4	3.7	3.7	4.6	6.5	6.5	7.4
Switzerland	0	0.4	1.0	1.0	1.9	1.9	1.9	1.9	1.9
European Community	**0.5**	**6.7**	**13.3**	**21.2**	**27.5**	**32.1**	**39.4**	**42.3**	**48.4**
Belgium	0	NEGL	1.7	1.7	1.7	1.7	1.7	2.6	3.5
France	0.1	1.7	2.9	4.7	8.3	12.9	20.2	20.1	25.3
Italy	0	0.6	0.6	1.4	1.4	1.4	1.4	1.3	1.3
Netherlands	0	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
United Kingdom	0.4	3.4	4.3	7.0	7.0	7.0	7.0	8.0	8.0
West Germany	NEGL	0.9	3.3	5.9	8.6	8.6	8.6	9.8	9.8
Other countries									
Argentina	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
China (Taiwan)	0	0	0	0.6	1.2	1.2	1.2	3.1	3.1
India	0	0.4	0.6	0.6	0.6	0.6	0.8	0.8	0.8
Pakistan	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
South Korea	0	0	0	0.6	0.6	0.6	0.6	0.6	1.8
Communist countries									
USSR and Eastern Europe	**NEGL**	**1.0**	**6.8**	**11.2**	**12.9**	**16.1**	**19.4**	**22.3**	**25.8**
USSR	NEGL	0.9	4.8	8.3	10.2	12.5	15.4	17.4	20.9
Eastern Europe	**0**	**0.1**	**2.0**	**2.9**	**2.7**	**3.6**	**4.0**	**4.9**	**4.9**
Bulgaria	0	0	0.9	0.9	0.9	0.9	1.3	1.8	1.8
Czechoslovakia	0	0	0.1	0.6	0.4	0.9	0.9	0.9	0.9
East Germany	0	0.1	1.0	1.4	1.4	1.8	1.8	1.8	1.8
Hungary	0	0	0	0	0	0	0	0.4	0.4
Other									
Yugoslavia	0	0	0	0	0	0	0.7	0.7	0.7

[a]Data are as of the end of the year and presented on a net basis except for Communist countries which are gross capacities.

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Table 107

Million Metric Tons

Iron Ore Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD [b]									
United States	90.21	88.84	91.20	80.13	87.09	70.73	74.34	36.00	38.60
Australia	4.42	6.80	51.19	97.65	91.71	95.54	84.70	87.80	75.00
Canada	19.80	35.70	47.70	46.87	59.62	49.07	52.00	35.40	34.00
Sweden	21.69	24.88	31.51	30.87	26.17	27.18	23.23	16.14	13.21
European Community	**112**	**93.6**	**81.0**	**62.4**	**40.2**	**34.0**	**25.9**	**22.6**	**18.8**
France	66.96	59.53	56.80	49.65	31.63	28.98	21.60	19.39	15.97
United Kingdom	17.36	15.66	12.02	4.49	4.27	0.92	0.73	0.47	0.38
West Germany	18.87	10.85	5.53	3.29	1.65	1.95	1.58	1.30	0.98
Other countries [c]									
Brazil	9.34	20.75	40.20	89.89	104.10	114.73	97.90	99.00	92.00
India	10.68	23.83	31.37	41.40	39.90	41.90	41.30	41.80	40.00
Liberia	3.05	15.96	23.66	24.38	18.34	18.19	19.70	18.20	15.20
South Africa	3.1	5.8	9.2	12.1	31.6	26.3	28.3	24.6	22.0
Venezuela	19.49	17.51	22.10	24.77	15.26	16.10	15.53	11.20	9.70
Communist countries									
USSR and Eastern Europe	**115**	**165**	**208**	**244**	**249**	**251**	**249**	NA	NA
USSR	105.86	153.43	197.14	234.70	241.74	244.71	242.42	244.41	245.00
Eastern Europe	**9.34**	**12.0**	**10.8**	**9.13**	**7.47**	**6.74**	**6.56**	NA	NA
Bulgaria	0.42	1.80	2.41	2.34	2.10	1.89	1.75	1.55	NA
Czechoslovakia	3.12	2.45	1.61	1.77	2.01	1.93	1.94	1.86	1.91
East Germany	1.64	1.63	0.42	0.06	0.06	0.06	0.05	0.05	NA
Hungary	0.52	0.76	0.63	0.64	0.53	0.43	0.42	0.47	0.44
Poland	2.18	2.86	2.55	1.25	0.25	0.10	0.10	0.05	NA
Romania	1.46	2.48	3.21	3.07	2.52	2.33	2.30	NA	NA
Other									
Albania	0.25	0.40	0.40	0.47	0.70	0.75	NA	NA	NA
China	100.00	38.30	72.30	109.00	119.30	120.00	120.00	NA	NA
North Korea	2.50	4.96	6.50	NA	7.00	NA	NA	NA	NA
Yugoslavia	2.20	2.50	3.69	5.24	4.62	4.53	4.79	5.11	5.09

[a] Unless otherwise indicated, data are for the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites.

[b] The metal content of the ore in the OECD countries varies from year to year. The approximate current content is as follows: United Kingdom and West Germany, 28-31 percent; Luxembourg, 25 percent; France, 32 percent; United States and Canada, 63-64 percent; and Australia and Sweden, 60-65 percent.

[c] The metal content of the ore in the other countries ranges from 30 percent to 68 percent.

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Table 108

Thousand Metric Tons

Manganese Ore Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	73	27	4	0	0	0	0	0	0
Australia	62	102	751	1,550	1,698	1,999	1,409	1,132	1,275
Italy	49	48	50	0	10	9	9	9	7
Japan	324	303	270	158	88	80	87	78	77
Other countries									
Brazil	999	1,400	1,880	2,160	2,259	2,281	2,042	1,300	1,300
Gabon	0	1,280	1,450	2,250	2,300	2,147	1,488	1,512	1,900
Ghana [c]	545	604	405	409	272	252	225	132	100
India	1,200	1,650	1,650	1,580	1,755	1,645	1,526	1,448	1,270
South Africa	1,190	1,570	2,680	5,770	5,182	5,695	5,040	5,217	2,700
Communist countries									
USSR and Eastern Europe	**6,350**	**8,040**	**7,230**	**8,340**	**10,400**	**9,930**	NA	NA	NA
USSR	5,872	7,576	6,841	8,459	10,244	9,750	9,150	9,821	10,000
Eastern Europe	**477**	**461**	**390**	**278**	**179**	**180**	NA	NA	NA
Bulgaria	25	42	33	35	42	49	45	45	45
Hungary	123	213	169	131	95	83	71	83	NA
Romania	175	126	102	112	42	48	NA	NA	NA
Other									
Yugoslavia	13	8	15	17	30	30	31	NA	NA

[a] The metal content of the ore of various countries is as follows: the United States, more than 35 percent; other non-Communist countries and Cuba, 25-53 percent; the USSR, about 35 percent; Yugoslavia, about 35 percent; Romania, 30 percent; Bulgaria, about 27 percent; and Hungary, 26 percent.

[b] Shipments.

[c] Dry weight.

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Table 109

Metric Tons

Tungsten Ore Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	3,160	3,430	4,220	2,490	3,015	2,738	3,545	1,575	1,100
Australia	1,900	950	1,260	1,498	3,193	3,596	3,517	2,588	2,000
Austria	110	90	80	360	1,496	1,495	1,450	1,406	1,200
Canada [b]	0	1,340	1,340	1,170	2,597	3,180	1,993	2,947	250
France	340	0	80	620	590	577	591	599	750
Japan	470	340	850	770	746	668	667	635	630
Portugal	1,390	780	1,080	1,420	1,388	1,568	1,395	1,361	1,200
Spain	440	20	410	350	394	446	437	440	450
Turkey	0	0	0	0	56	96	153	150	200
Other countries									
Bolivia	1,020	870	1,840	2,036	2,470	2,732	2,779	2,534	3,000
Brazil	642	143	920	896	933	876	1,248	1,089	1,000
Burma	470	160	220	490	692	823	825	844	500
Mexico	90	90	290	280	252	266	263	99	100
Peru	230	380	800	580	564	549	521	633	600
Rwanda	230	130	180	350	505	431	521	499	500
South Korea	2,730	2,130	2,070	2,400	2,713	2,737	2,642	2,233	2,000
Thailand	210	260	710	1,640	1,826	1,615	1,210	856	700
Communist countries									
USSR	5,400	6,660	6,900	8,100	9,000	9,200	9,400	9,500	9,700
China	13,990	8,140	5,470	6,710	10,130	NA	NA	NA	NA

[a]Data are for the estimated tonnage of contained tungsten.
[b]Shipments.

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Thousand Metric Tons

Table 110

Chromite Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
Finland	0	0	121	331	435	341	412	399	400
Greece	35	51	26	35	45	43	43	42	50
Japan	67	42	33	24	12	14	11	11	10
Turkey	481	567	519	717	372	391	423	372	350
Other countries									
Brazil	6	17	27	173	892	834	926	953	900
India	100	60	271	500	310	321	336	340	350
Iran	68	129	200	172	136	82	32	41	50
Madagascar	0	2	131	194	128	180	100	91	100
Philippines	734	555	566	520	556	496	439	354	350
South Africa	772	942	1,427	2,076	3,297	3,414	2,870	2,164	2,200
Zimbabwe	606	586	363	590	542	552	536	426	450
Communist countries [b]									
USSR	1,200	2,500	3,000	3,500	3,200	3,400	3,300	3,400	3,300
Albania	289	312	466	779	1,015	1,020	NA	NA	NA
Cuba	29	40	23	36	28	28	NA	NA	NA
Yugoslavia	101	80	41	2	2	2	2	NA	NA

[a] Data are in gross weight.
[b] Production of chrome ore. In the Communist countries, the chromic oxide content is estimated as follows: USSR, 46 percent; Albania, 45 percent; Cuba, 35 percent; and Yugoslavia, 26 percent.

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Table 111

Thousand Metric Tons

Bauxite Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**5,370**	**7,060**	**16,900**	**29,009**	**34,400**	**34,500**	**32,700**	**29,400**	**30,100**
United States	2,030	1,680	2,125	1,800	1,821	1,559	1,510	732	662
Australia	70	1,190	9,260	21,000	27,583	27,178	25,541	23,625	24,000
European Community	**3,260**	**4,180**	**5,510**	**5,610**	**4,810**	**5,230**	**5,060**	**4,570**	**4,700**
Greece	884	1,270	2,290	3,010	2,812	3,286	3,216	2,853	2,900
France	2,070	2,660	2,990	2,560	1,970	1,921	1,827	1,690	1,772
Other countries									
Brazil	121	156	510	970	2,388	4,152	5,300	6,290	7,000
Guinea	1,378	1,870	2,490	8,400	11,326	11,862	11,112	10,446	8,500
Guyana	2,511	2,919	4,417	3,251	2,312	2,471	1,680	953	1,000
Jamaica	5,840	8,650	12,000	11,600	11,618	12,054	11,664	8,361	7,300
Suriname	3,460	4,360	6,020	4,930	5,010	4,696	3,728	3,059	1,750
Communist countries									
USSR and Eastern Europe	**4,380**	**6,790**	**8,970**	**11,200**	**12,400**	**12,500**	**NA**	**NA**	**NA**
USSR [a]	3,100	5,300	6,700	8,000	9,000	9,100	9,100	9,000	8,900
Eastern Europe	**1,280**	**1,490**	**2,270**	**3,240**	**3,420**	**3,400**	**NA**	**NA**	**NA**
Hungary	1,190	1,477	2,022	2,890	2,976	2,950	2,914	2,627	2,917
Romania	88	12	250	350	440	470	NA	NA	NA
Other									
China [b]	640	1,120	1,500	2,800	3,300	3,300	3,300	3,300	NA
Yugoslavia	1,025	1,574	2,098	2,306	3,012	3,138	3,500	3,668	3,500

[a] Including nonbauxite ore such as nepheline and alunite for the production of alumina.
[b] Data are for aluminous shales and clays used for the manufacture of aluminum and exclude shales exported and those used for refractories, abrasives, and cement.

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Million Metric Tons

Table 112

Pig Iron Production

	1960 [a]	1965 [a]	1970	1975	1979	1980	1981	1982	1983
OECD	62.2	82.6	82.8	72.3	78.9	62.3	66.9	39.3	44.2
United States	2.9	4.3	6.1	7.5	7.8	7.0	6.8	6.0	5.1
Australia	4.0	6.6	8.2	9.2	10.9	11.2	9.7	8.0	8.6
Canada	11.9	27.5	68.0	86.9	88.8	87.0	80.0	77.7	72.9
Japan	1.9	2.3	4.2	6.8	6.5	6.7	6.4	6.0	5.4
Spain	**70.0**	**81.2**	**98.4**	**88.4**	**98.1**	**89.9**	**88.2**	**76.3**	**73.7**
European Community	6.5	8.4	10.8	9.1	10.8	10.5	9.8	7.8	8.0
Belgium	14.1	15.8	19.2	17.5	19.4	19.2	17.3	15.0	13.9
France	2.7	5.5	8.3	11.4	11.3	12.1	12.3	12.7	13.0
Italy	16.0	17.7	17.5	12.0	12.9	6.4	9.5	8.3	9.5
United Kingdom	25.5	26.7	33.6	30.1	35.2	33.9	31.9	27.8	26.6
West Germany									
Other countries	1.8	2.4	4.2	7.1	12.0	13.0	11.0	9.1	10.7
Brazil	4.3	7.1	7.0	8.3	8.7	8.5	9.5	9.6	9.1
India	0.7	1.2	2.3	3.0	5.0	5.3	5.5	5.1	5.0
Mexico	2.0	3.6	3.9	5.2	7.0	7.5	7.4	6.8	5.2
South Africa	NEGL	NEGL	NEGL	1.2	5.2	5.7	8.1	8.6	8.1
South Korea									
Communist countries	**60.2**	**84.1**	**110**	**133**	**145**	**144**	**142**	**139**	NA
USSR and Eastern Europe	46.8	66.2	85.9	103.0	109.0	107.3	107.8	106.7	110.0
USSR	**13.4**	**17.9**	**23.9**	**30.0**	**36.2**	**37.1**	**34.4**	**32.5**	NA
Eastern Europe	0.2	0.7	1.3	1.6	1.5	1.6	1.6	1.6	1.7
Bulgaria	4.7	5.9	7.6	9.3	9.5	9.8	9.9	9.5	NA
Czechoslovakia	2.0	2.3	2.0	2.5	2.4	2.5	2.4	2.1	2.2
East Germany	1.2	1.6	1.8	2.2	2.4	2.2	2.2	2.2	2.0
Hungary	4.2	5.4	7.0	7.8	11.5	12.0	9.4	8.5	9.7
Poland	1.0	2.0	4.2	6.6	8.9	9.0	8.9	8.6	NA
Romania									
Other	27.5	13.8	22.0	33.8	36.7	38.0	34.2	35.5	37.4
China	0.9	1.3	1.8	3.4	3.9	NA	NA	NA	NA
North Korea	1.0	1.1	1.3	2.1	2.4	2.4	9.9	2.7	2.9
Yugoslavia									

[a] Including ferroalloys.

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Table 113

Million Metric Tons

Crude Steel Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	90.1	119.3	119.3	105.8	123.7	101.5	109.6	67.7	75.6
Australia [c]	3.8	5.5	6.8	7.8	8.1	7.6	7.6	6.4	5.6
Canada	5.3	9.1	11.2	12.9	16.1	15.9	14.8	11.8	12.7
Japan	22.1	41.2	93.3	102.3	111.7	111.4	101.7	99.5	97.2
Spain	1.9	3.5	7.4	11.1	12.3	12.6	12.9	13.2	12.7
European Community	**98.0**	**114**	**139**	**126**	**141**	**129**	**126**	**111**	**112**
Belgium	7.2	9.2	12.6	11.6	13.4	12.3	12.3	9.9	10.0
France	17.3	19.6	23.8	21.5	23.4	23.2	21.3	18.4	17.6
Italy	8.2	12.7	17.3	21.8	24.2	26.5	24.8	24.0	24.0
United Kingdom	24.7	27.4	28.3	20.2	21.4	11.3	15.6	13.7	15.0
West Germany	34.1	36.8	45.0	40.4	46.0	43.8	41.6	35.9	35.7
Other countries									
Brazil [d]	2.3	3.0	5.4	8.3	13.9	15.3	13.2	13.0	14.7
India	3.3	6.4	6.1	7.1 [e]	10.0	9.4	10.4	10.7	10.0
Mexico	1.5	2.4	3.9	5.3	7.1	7.2	7.6	7.0	7.0
South Africa	2.1	3.5	4.8	6.5	8.9	9.1	9.0	8.3	7.0
Communist countries									
USSR and Eastern Europe	**86.4**	**120**	**156**	**193**	**209**	**210**	**206**	**204**	**210**
USSR	65.3	91.0	115.9	141.3	149.0	147.9	148.4	147.2	153.0
Eastern Europe	**21.2**	**28.5**	**39.8**	**51.3**	**60.3**	**61.6**	**57.6**	**56.3**	**57.4**
Bulgaria	0.2	0.6	1.8	2.3	2.5	2.6	2.5	2.6	2.8
Czechoslovakia	6.8	8.6	11.5	14.3	14.8	15.2	15.3	15.0	15.0
East Germany	3.8	4.3	5.0	6.5	7.0	7.3	7.5	7.2	7.2
Hungary	1.9	2.5	3.1	3.7	3.9	3.8	3.6	3.7	3.6
Poland	6.7	9.1	11.8	15.0	19.2	19.5	15.7	14.8	16.2
Romania	1.8	3.4	6.5	9.6	12.9	13.2	13.0	13.0	12.6
Other									
China	18.7	12.2	17.8	24.0	34.5	37.1	35.6	37.1	39.9
Cuba	NA	NEGL.	0.1	0.3	0.3	0.3	0.3	0.3	0.3
North Korea	0.6	1.2	2.2	2.6	4.0	4.0	4.0	NA	NA
Yugoslavia	1.4	1.8	2.2	2.9	3.5	3.6	4.0	3.8	4.2

[a] Data are for ingots and steel for castings.
[b] Excluding steel for castings made in foundries operated by companies not producing ingots.
[c] Twelve months ending 30 June of the stated year.
[d] Excluding alloy steel.
[e] Ingots only.

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Table 114

Million Metric Tons

Rolled Steel Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [a]	69.35	90.09	82.37	72.54	90.96	76.07	80.24	55.85	61.19
Canada [a]	4.13	6.44	8.24	9.48	12.23	12.29	12.00	9.35	10.20
Japan	17.20	33.38	76.03	86.28	101.61	101.79	93.23	91.87	90.86
Spain [a]	1.27	3.16	5.46	8.94	9.75	10.14	10.29	10.00	9.90
European Community	**76.7**	**89.6**	**111**	**98.6**	**116**	**108**	**108**	**94.50**	**92.70**
Belgium	5.88	7.72	10.26	9.10	11.55	10.67	10.19	8.55	8.70
France	13.70	15.72	18.73	17.56	20.80	21.00	19.62	17.41	16.40
Italy	7.78	10.62	14.76	15.41	18.55	19.66	19.75	17.55	16.60
United Kingdom	18.41	20.76	22.18	15.57	16.69	10.08	13.04	11.66	12.80
West Germany	25.84	28.48	35.97	32.98	38.49	37.36	36.77	31.20	31.30
Communist countries									
USSR and Eastern Europe	**57.8**	**81.3**	**108**	**137**	**150**	**148**	**146**	**144**	**NA**
USSR	43.68	61.65	80.65	98.69	103.24	102.91	102.97	102.31	107.00
Eastern Europe	**14.1**	**19.7**	**27.4**	**38.3**	**46.5**	**45.0**	**42.6**	**41.6**	**NA**
Bulgaria	0.19	0.43	1.42	2.50	3.13	3.21	3.35	3.25	3.24
Czechoslovakia	4.48	6.09	7.94	10.03	10.78	10.76	10.80	10.66	10.73
East Germany	2.61	2.99	3.41	5.22	6.30	5.13	5.06	4.96	NA
Hungary	1.19	1.70	2.04	2.68	3.24	3.04	2.82	2.86	2.82
Poland	4.42	6.13	8.14	11.08	13.57	13.55	11.06	10.48	11.73
Romania	1.25	2.35	4.50	6.81	9.48	9.32	9.55	9.35	9.20
Other									
China	11.30	9.10	13.40	16.80	24.97	27.16	26.65	29.00	30.00
Yugoslavia	0.97	1.19	1.77	2.36	4.14	4.24	4.78	4.51	4.65

[a] Steel mill products.

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Table 115

Thousand Metric Tons

Refined Nickel Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	12.9	12.2	14.0	20.1	39.9	39.4	44.0	40.8	30.3
Australia	0	0	1.0	34.0	39.3	35.3	42.3	45.9	46.0
Canada	127.5	160.4	189.3	157.8	83.7	152.3	115.0	63.4	87.2
Japan	18.7	26.5	89.9	78.0	105.9	109.3	86.3	83.4	69.6
Norway	30.4	31.8	38.5	37.1	30.6	36.9	37.0	25.6	26.0
European Community	**47.3**	**49.0**	**57.6**	**63.0**	**37.8**	**44.1**	**47.9**	**29.6**	**28.5**
France [b]	10.0	8.2	11.0	10.9	3.3	9.8	10.0	8.9	10.0
Greece	0	0	8.6	14.8	14.6	14.0	12.6	12.5	12.0
United Kingdom	34.3	40.5	36.7	37.3	18.9	19.3	25.3	6.9	6.5
Other countries									
Dominican Republic	0	0	0	30.0	25.1	14.0	13.2	5.3	20.2
New Caledonia	11.4	15.6	27.9	52.8	30.4	32.6	27.8	28.0	28.0
Communist countries [c]									
USSR	72.0	100.0	137.0	210.0	227.0	229.0	235.0	250.0	260.0
Cuba [d]	12.8	28.2	36.6	37.3	32.3	38.2	40.3	37.6	39.3

[a] Unless otherwise indicated, data are for refined metal and the nickel content of ferronickel and nickel oxide.

[b] Excluding data for New Caledonia.

[c] Czechoslovakia and East Germany each produce a small amount of refined nickel.

[d] Nickel content of oxides and sulfides.

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Table 116

Thousand Metric Tons

Refined Copper Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	1,650	1,973	2,074	1,632	2,014	1,726	2,038	1,695	1,613
Australia	84	95	146	192	172	183	192	180	185
Canada	378	394	493	529	397	505	477	338	464
Japan	248	366	705	819	984	1,014	1,050	1,075	1,092
Spain	42	59	83	130	144	158	152	157	157
European Community	**796**	**904**	**996**	**958**	**935**	**960**	**1,020**	**1,100**	**1,120**
Belgium	212	280	338	332	369	374	428	502	425
United Kingdom	219	228	205	152	122	161	136	134	145
West Germany	309	342	406	422	383	364	387	394	491
Other countries									
Chile	226	289	465	534	780	811	776	852	813
Peru	30	40	36	71	231	226	209	228	191
Zaire	145	153	190	226	137	180	165	175	227
Zambia	403	522	581	629	562	608	573	584	575
Communist countries									
USSR and Eastern Europe	**576**	**840**	**1,220**	**1,750**	**1,980**	**2,030**	**2,010**	NA	NA
USSR	475	700	1,015	1,320	1,450	1,470	1,490	1,510	1,540
Eastern Europe	**101**	**140**	**204**	**428**	**534**	**561**	**524**	NA	NA
Bulgaria	14	24	38	50	60	63	63	NA	NA
Czechoslovakia	10	12	17	23	31	33	27	NA	NA
East Germany	40	40	40	50	50	51	51	NA	NA
Hungary	8	12	12	13	16	16	16	NA	NA
Poland	22	37	72	249	336	357	327	348	NA
Romania	7	15	25	43	41	41	40	39	40
Other									
Albania	1	4	6	7	10	12	NA	NA	NA
China	90	200	290	300	320	320	320	NA	NA
Cuba [b]	NA	6	NEGL	3	3	3	3	3	3
Yugoslavia	35	56	89	138	138	131	133	127	124

[a] Data are for primary and secondary refined copper produced from domestic and imported ores and scrap.
[b] Copper concentrate.

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Table 117

Thousand Metric Tons

Primary Aluminum Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	1,827	2,498	3,607	3,519	4,557	4,654	4,489	3,274	3,353
Australia	12	87	206	214	270	303	379	381	485
Canada	691	753	972	887	860	1,068	1,116	1,065	1,091
Japan	133	294	733	1,013	1,010	1,091	771	351	256
Norway [a]	171	276	522	595	664	653	633	637	715
Spain	29	52	120	210	260	386	397	367	358
European Community	**520**	**735**	**1,040**	**1,950**	**2,170**	**2,220**	**2,190**	**1,990**	**1,930**
France	238	340	381	383	395	432	436	391	360
Greece	NA	NA	91	136	141	146	147	147	147
Italy	84	124	147	190	269	271	270	232	196
Netherlands	0	0	75	258	258	259	262	251	236
United Kingdom [a]	29	36	40	308	359	375	339	241	250
West Germany	169	234	309	678	741	731	729	723	730
Other countries									
Brazil	18	30	56	121	238	260	257	299	380
Ghana	0	0	113	143	169	188	191	174	42
India	18	62	161	167	211	185	213	217	205
Communist countries									
USSR and Eastern Europe	**696**	**1,170**	**2,000**	**2,820**	**3,110**	**3,210**	**3,200**	**3,160**	NA
USSR	565	990	1,640	2,345	2,630	2,705	2,720	2,745	2,795
Eastern Europe	**131**	**176**	**359**	**480**	**483**	**509**	**475**	**417**	NA
Czechoslovakia	20	26	31	43	37	38	33	34	36
East Germany	35	45	56	60	60	62	60	58	NA
Hungary	50	58	66	70	72	73	74	74	74
Poland	26	47	99	103	97	95	66	43	NA
Romania [b]	0	0	107	204	217	241	242	208	223
Other									
China	80	140	188	357	415	415	415	425	NA
Yugoslavia	25	39	48	168	190	185	197	246	284

[a] Including the pure content of virgin alloys.
[b] Including aluminum alloys.

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Table 118

Thousand Metric Tons

Smelter Production of Lead [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	347	379	605	577	578	550	497	513	515
Australia [c]	247	227	351	311	385	361	369	389	366
Canada	145	169	186	172	184	163	169	174	178
Japan	69	103	178	152	221	221	226	224	241
Spain	71	54	76	73	87	84	77	80	75
Sweden	45	40	41	38	23	20	18	30	30
European Community	**369**	**404**	**451**	**400**	**348**	**390**	**382**	**381**	**377**
Belgium	93 [d]	111 [d]	89 [d]	106 [d]	34	54	60	53	52
France	74	98	120	102	129	126	126	123	115
Italy	42	45	54	33	27	42	38	37	37
United Kingdom [e]	16	23	44	26	32	30	27	34	41
West Germany	140	104	113	92	103	112	108	111	110
Other countries									
Mexico	186	154	150	173	173	145	157	137	135
Peru	74	87	72	71	85	82	79	77	64
Communist countries									
USSR and Eastern Europe	**404**	**549**	**676**	**783**	**824**	**823**	**811**	**825**	NA
USSR	300	385	470	540	560	560	560	560	565
Eastern Europe	**104**	**164**	**206**	**243**	**264**	**263**	**251**	**265**	NA
Bulgaria	40	93	99	110	120	120	120	118	NA
Czechoslovakia	12	15	18	18	19	20	21	22	NA
Poland [f]	40	41	54	76	84	82	69	79	NA
Romania [f]	12	15	35	39	41	41	41	46	49
Other									
Yugoslavia	89	102	97	126	111	102	86	81	98

[a] Unless otherwise indicated, data are for smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).
[b] Excluding refined lead produced from imported base bullion.
[c] Including lead bullion.
[d] Including secondary metal, remelted lead, and alloys.
[e] Lead bullion from imported ores and concentrates.
[f] Probably including some secondary metal.

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Table 119

Thousand Metric Tons

Refined Zinc Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**2,210**	**2,780**	**3,540**	**3,180**	**3,980**	**3,780**	**3,740**	**3,460**	**3,690**
United States [b]	788	978	866	450	526	370	397	302	302
Australia	122	202	264	200	310	306	300	296	303
Canada	237	326	418	427	580	592	619	512	617
Finland	0	0	56	110	147	147	140	144	155
Japan	180	318	676	722	816	785	721	662	701
Spain	47	54	88	138	183	152	180	187	185
European Community	**783**	**842**	**1,090**	**1,050**	**1,300**	**1,340**	**1,320**	**1,210**	**1,200**
Belgium	248	238	232	218	266	249	257	241	209
France	146	192	224	181	249	253	257	244	279
Italy	85	81	142	180	202	206	181	159	159
Netherlands	36	42	47	124	154	170	177	186	137
United Kingdom	76	107	147	53	77	87	82	79	88
West Germany	192	182	301	295	356	371	367	303	328
Other countries									
Mexico	53	90	81	154	162	144	127	127	179
Communist countries									
USSR and Eastern Europe	**577**	**770**	**1,030**	**1,210**	**1,180**	**1,190**	**1,140**	**1,130**	NA
USSR [c]	360	475	690	820	820	820	820	820	825
Eastern Europe	**217**	**295**	**340**	**393**	**364**	**369**	**318**	**312**	NA
Bulgaria	17	66	76	86	92	90	90	90	NA
East Germany	4	14	15	15	17	18	16	17	NA
Poland	176	190	209	243	209	215	167	165	NA
Romania	20	25	40	49	46	46	45	40	42
Other									
Yugoslavia	36	46	65	98	99	85	96	87	88

[a] Data are for electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials.

[b] Including production from secondary smelters.

[c] Primary metal only.

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Table 120

Thousand Metric Tons

Titanium Sponge Metal Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	4.8	8.2	14.0	14.4	19.2	20.4	24.0	14.2	13.4
Japan	2.3	4.8	9.2	7.6	13.2	19.4	24.9	16.8	10.6
Communist countries									
USSR	4.5	15.8	31.6	47.4	53.0	56.0	60.0	62.0	64.0

[a] Raw titanium in the form of sponge metal produced from rutile or ilmenite concentrates.

[b] Calculated, 1965-83, from reported consumption, imports, exports, and stock changes.

Table 121

Metric Tons

Cobalt Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
Australia	13	91	469	2,709	1,583	1,974	1,666	1,810	1,814
Canada	1,618	1,655	2,069	1,354	1,640	1,603	2,080	1,404	1,584
Finland	NA	1,493	1,270	1,402	1,065	1,035	1,034	929	907
Other countries									
Morocco	1,271	1,832	604	1,961	961	838	789	699	0
Zaire	8,222	8,388	13,958	13,971	14,996	15,422	13,600	11,304	11,300
Zambia	1,847	1,544	2,400	2,057	4,280	4,400	3,416	3,248	3,200
Communist countries									
USSR	1,600	2,300	3,700	5,000	5,800	6,000	6,300	6,500	6,700
Cuba	NA	714	1,208	1,240	1,080	NA	NA	NA	NA

[a] Recoverable cobalt content of ores mined, unless otherwise indicated.

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Table 122

Metric Tons

Smelter Production of Primary Tin [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	13,700	3,150	4,540	6,500	4,600	3,000	2,000	3,500	2,500
Australia	2,290	3,230	5,210	5,250	5,420	4,820	4,230	3,100	2,900
Spain	470	1,820	3,910	5,250	4,400	4,100	3,400	3,000	2,500
European Community	**42,500**	**40,900**	**33,400**	**17,800**	**15,700**	**12,300**	**11,200**	**7,500**	**7,300**
Belgium	8,390	4,300	4,260	4,560	2,160	2,800	100	0	0
United Kingdom	26,800	16,800	22,000	11,520	8,020	5,830	6,860	4,200	4,000
Other countries									
Bolivia	1,020	3,470	300	7,530	14,950	18,190	20,000	19,030	15,525
Brazil	NA	1,435	3,100	5,400	10,130	8,640	7,640	9,300	13,000
Indonesia	2,010	1,210	5,190	17,800	27,790	30,470	32,000	33,810	27,000
Malaysia	77,600	73,600	91,500	83,100	73,070	71,320	68,500	52,330	42,000
Nigeria	NA	9,480	8,070	4,680	2,860	2,680	2,490	1,290	1,055
Thailand	220	5,610	22,000	16,600	33,060	34,690	32,630	25,500	19,400
Communist countries									
USSR	10,600	14,000	21,000	25,000	32,500	32,500	33,000	33,400	33,600
East Germany	1,000	1,200	1,200	1,200	1,500	1,800	1,500	2,000	NA
China	29,000	12,000	10,000	18,000	17,000	18,000	18,000	NA	NA

[a] Excluding tin derived from scrap or detinning.

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Table 123

Thousand Metric Tons

Primary Magnesium Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	36	74	102	109	147	154	130	90	100
Canada	7	9	9	4	9	9	9	8	8
Japan	2	4	10	9	9	6	6	6	6
Norway	10	26	35	38	44	44	48	35	35
European Community									
France	2	3	5	8	9	9	7	10	10
Italy	5	6	8	7	9	8	8	8	8
Communist countries									
USSR	25	50	80	98	103	104	106	109	111

Table 124

Million Troy Ounces

Gold Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	1.67	1.71	1.74	1.05	0.96	0.97	1.38	1.45	1.62
Australia	1.09	0.88	0.62	0.53	0.60	0.54	0.57	0.83	0.95
Canada	4.63	3.60	2.41	1.65	1.64	1.63	1.67	2.08	2.27
Japan	0.26	0.26	0.26	0.14	0.13	0.10	0.10	0.10	0.10
Other countries									
Brazil	0.11	0.16	0.17	0.17	0.32	1.30	1.20	0.82	1.60
Colombia	0.43	0.32	0.20	0.31	0.27	0.51	0.54	0.48	0.43
Ghana	0.89	0.76	0.71	0.52	0.36	0.35	0.33	0.33	0.27
Mexico	0.30	0.22	0.20	0.14	0.19	0.20	0.20	0.20	0.20
Philippines	0.41	0.44	0.60	0.50	0.54	0.64	0.76	0.83	0.80
South Africa	21.38	30.55	32.20	22.94	22.62	21.67	21.12	21.36	21.85
Zimbabwe	0.56	0.55	0.44	0.35	0.39	0.37	0.37	0.43	0.43
Communist countries									
USSR	3.63	5.33	7.00	8.29	9.87	10.20	10.50	10.60	10.70

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Table 125

Thousand Troy Ounces

Platinum-Group Metals Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States [a]	24	35	17	19	7	3	7	8	6
Canada	460	463	482	399	198	411	400	228	167
South Africa [b]	406	754	1,500	2,600	3,017	3,100	3,000	2,600	2,600
USSR	1,000	2,000	2,500	3,300	3,600	3,700	3,900	4,100	4,300

[a] Crude placer platinum and byproduct metals recovered largely from domestic copper refining.

[b] Platinum-group metals from platinum ores and osmium and iridium from gold ores.

Table 126

Metric Tons

Molybdenum Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**32,000**	**40,000**	**66,400**	**61,200**	**76,600**	**80,300**	**77,700**	**54,200**	**20,300**
United States	31,000	35,100	50,500	48,100	65,307	68,351	63,458	37,671	12,531
Canada [b]	348	4,340	15,300	13,000	11,175	11,900	14,134	16,461	7,700
Japan	381	277	264	140	70	56	74	97	96
Other countries									
Chile	2,014	3,690	5,700	9,090	13,559	13,668	15,360	20,000	14,651
Peru	NEGL	680	607	651	1,196	2,688	2,488	2,565	2,563
Communist countries									
USSR	4,800	7,300	9,500	10,500	11,600	12,000	12,000	12,300	12,600

[a] Molybdenum content of ores and concentrates.
[b] Shipments.

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Table 127

Thousand Metric Tons

Caustic Soda Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**8,250**	**11,600**	**18,300**	**19,100**	**23,800**	**22,900**	**21,400**	**20,100**	**21,900**
United States	4,510	6,207	9,200	8,694	11,587	10,529	9,447	8,369	9,300
Canada	338	583	860	845	1,138	1,459	1,458	1,375	1,520
Japan	869	1,344	2,685	2,948	3,021	3,157	2,872	2,792	2,863
European Community	**1,970**	**2,630**	**4,390**	**5,230**	**6,610**	**6,220**	**6,140**	**6,060**	**6,720**
France	597	671	1,094	1,120	1,450	1,333	1,315	1,402	1,400
Italy	429	691	999	1,002	986	953	856	870	990
West Germany	776	1,178	1,682	2,489	3,415	3,176	3,209	3,026	3,566
Communist countries									
USSR and Eastern Europe	**1,420**	**2,250**	**3,140**	**4,220**	**4,980**	**5,200**	**5,220**	**5,260**	NA
USSR	704	1,199	1,783	2,395	2,680	2,755	2,757	2,783	2,853
Eastern Europe	**716**	**1,050**	**1,360**	**1,830**	**2,300**	**2,440**	**2,460**	**2,480**	NA
Bulgaria	17	32	46	84	107	162	151	155	147
Czechoslovakia	115	158	189	257	312	325	330	324	320
East Germany	327	364	413	442	548	626	631	695	680
Hungary [b]	16	49	67	92	194	189	180	178	192
Poland	167	215	313	392	436	415	400	363	392
Romania	74	233	330	566	704	723	767	760	NA
Other									
China	NA	600	900	1,300	1,800	1,900	1,923	2,073	2,127
Cuba	NA	2	4	4	4	3	8	11	16
Yugoslavia	48	88	93	97	102	136	178	169	171

[a] Pure caustic soda (100 percent NaOH), including tonnage not commercialized but used on site for processing.
[b] Including regenerated caustic soda.

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Table 128 Thousand Metric Tons of N

Synthetic Ammonia Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	3,595 [b]	6,618	10,315	12,232	13,821	14,664	14,234	11,565	10,030
Canada	382 [b]	453	1,007	1,336	2,405	2,556	2,654	2,509	2,830
Japan	1,059	1,779	2,682	2,990	2,328	2,110	1,833	1,653	1,546
European Community	**3,420**	**5,110**	**6,780**	**8,110**	**8,790**	**8,650**	**8,510**	**7,370**	NA
France	724	1,281	1,619	1,941	2,150	2,085	2,250	1,900	NA
Italy	724	1,035	1,272	1,452	1,458	1,409	1,211	1,013	985
Netherlands	410	661	1,340	1,908	2,327	2,275	2,203	2,010	NA
West Germany	1,242	1,659	1,821	1,981	2,161	2,044	1,962	1,570	NA
Communist countries									
USSR and Eastern Europe	**2,180**	**5,000**	**10,400**	**16,200**	**19,800**	**21,300**	**22,300**	**22,300**	NA
USSR	1,138	3,137	6,282	9,868	12,278	13,762	14,718	14,605	16,770
Eastern Europe	**1,040**	**1,860**	**4,090**	**6,340**	**7,500**	**7,560**	**7,600**	**7,680**	NA
Bulgaria	111	338	788	935	951	1,009	1,023	1,033	1,124
Czechoslovakia	153	254	432	710	804	841	711	726	NA
East Germany	392	438	481	919	1,079	1,181	1,203	1,167	NA
Hungary	67	173	414	513	803	795	819	792	NA
Poland	285	440	1,187	1,707	1,530	1,483	1,465	1,384	NA
Romania	29	218	792	1,559	2,333	2,247	2,383	2,583	NA
Other									
China [c]	490	1,387	2,970	5,911	10,727	12,150	11,990	12,430	NA
Yugoslavia	12	114	285	391	419	405	421	423	NA

[a] Unless otherwise indicated, nitrogen content of synthetic ammonia. To convert to actual production of synthetic ammonia, multiply by 1.2158.

[b] Data are for 1961.

[c] Including only ammonia produced for fertilizer.

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Table 129

Thousand Metric Tons

Sulfuric Acid Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**38,700**	**51,400**	**61,600**	**64,900**	**79,300**	**80,400**	**75,500**	**65,800**	**65,700**
United States [b]	16,223	22,544	26,785	29,357	39,194	40,059	36,961	29,647	30,300
Canada	1,517	1,964	2,475	2,723	3,686	4,295	4,117	3,085	3,540
Japan	4,452	5,655	6,925	5,997	6,582	6,778	6,572	6,530	6,610
Spain	1,132	1,616	2,021	3,624	2,904	3,052	2,880	2,870	2,760
European Community	**12,700**	**16,100**	**18,800**	**18,200**	**21,500**	**20,800**	**19,300**	**17,800**	**17,000**
France	2,046	2,916	3,682	3,758	4,904	4,950	4,352	4,136	4,180
Italy	2,299	2,979	3,327	3,006	2,956	2,827	2,544	2,287	2,290
United Kingdom	2,745	3,358	3,352	3,166	3,498	3,380	2,888	2,587	2,630
West Germany	3,170	3,751	4,435	4,157	5,066	4,777	4,832	4,411	3,566
Other countries									
Mexico	249	508	1,235	2,047	2,064	1,950	2,172	2,297	NA
South Korea	5	17	388	550	1,645	1,684	1,295	1,597	1,610
Communist countries									
USSR and Eastern Europe	**7,890**	**12,700**	**18,100**	**27,300**	**30,900**	**31,500**	**32,400**	**31,800**	NA
USSR	5,398	8,518	12,059	18,645	22,364	23,033	24,095	23,801	24,700
Eastern Europe	**2,500**	**4,220**	**6,080**	**8,610**	**8,540**	**8,480**	**8,320**	**7,960**	NA
Bulgaria	123	318	502	854	998	852	920	916	861
Czechoslovakia	553	933	1,110	1,245	1,253	1,284	1,315	1,252	1,244
East Germany	730	985	1,099	1,002	952	958	948	920	920
Hungary	178	385	471	647	603	608	546	589	625
Poland	685	1,062	1,901	3,413	2,983	3,019	2,776	2,676	2,787
Romania	226	541	994	1,448	1,750	1,756	1,814	1,600	NA
Other									
China	NA	NA	NA	NA	7,000	7,640	7,810	8,170	8,648
Cuba	NA	202	322	418	296	402	420	334	370
Yugoslavia	121	405	696	871	976	1,105	1,248	1,183	1,320

[a] Pure (monohydrate) sulfuric acid (100 percent H_2SO_4).
[b] Including appreciable amounts produced in government-owned privately operated plants.

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Table 130 Thousand Metric Tons

Mineral Fertilizer Production, Nutrient Content [a]

	1960/61	1965/66	1970/71	1975/76	1979/80	1980/81	1981/82	1982/83
OECD [b]	**22,300**	**33,900**	**43,300**	**46,300**	**59,100**	**59,700**	**52,300**	**50,400**
United States	7,410	11,933	15,789	18,221	22,508	23,377	19,250	18,049
Canada	496	2,545	4,465	6,226	9,474	9,816	8,526	7,857
Japan	1,544	2,203	2,770	2,142	2,202	1,850	1,833	1,751
Spain	674	1,043	1,604	1,794	2,097	2,148	1,988	1,981
European Community	**10,400**	**13,400**	**15,600**	**14,600**	**18,500**	**17,900**	**16,200**	**16,200**
France	3,021	4,161	4,644	5,418	5,059	4,924	4,579	4,331
Italy	1,110	1,590	1,621	1,511	2,262	2,064	1,827	1,964
West Germany	3,897	4,610	4,743	3,756	4,915	4,824	3,954	3,775

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Communist countries									
USSR and Eastern Europe	**6,510**	**12,000**	**20,800**	**33,000**	**34,700**	**37,200**	**38,700**	**39,400**	NA
USSR [c]	3,281	7,389	13,099	21,988	22,137	24,760	25,990	26,730	29,700
Eastern Europe	**3,230**	**4,640**	**7,710**	**11,000**	**12,600**	**12,400**	**12,700**	**12,600**	NA
Bulgaria	127	354	749	918	959	947	1,011	997	1,035
Czechoslovakia	287	484	680	1,063	1,147	1,182	1,085	1,114	NA
East Germany	2,166	2,506	3,244	3,985	4,681	4,735	4,787	4,668	NA
Hungary	102	265	517	690	858	847	899	869	NA
Poland	477	738	1,629	2,581	2,431	2,238	2,241	2,284	NA
Romania	71	293	895	1,729	2,522	2,451	2,641	2,692	NA
Other									
China	498	1,502	2,780	5,720	10,654	12,320	12,390	12,782	NA
Yugoslavia	45	226	364	410	459	439	448	434	439

[a] Nitrogen fertilizer (in terms of nitrogen), phosphorus fertilizer (in terms of phosphoric anhydride), and potassium fertilizer (in terms of potassium oxide).

[b] Data are for "fertilizer years"—in general, the year beginning 1 July.

[c] Including some products used for technical purposes.

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Table 131

Thousand Metric Tons of N

Nitrogen Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1979/80	1980/81	1981/82	1982/83
OECD [a]	**8,460**	**13,400**	**19,300**	**21,200**	**26,300**	**26,700**	**24,700**	**23,100**
United States	2,739	5,081	8,161	9,591	11,180	11,825	10,523	8,715
Canada	286	377	726	775	1,709	1,755	1,825	1,897
Japan	1,030	1,615	2,105	1,557	1,458	1,202	1,253	1,126
Spain	110	323	592	825	950	960	896	852
European Community	**3,650**	**5,030**	**6,410**	**6,910**	**9,020**	**8,650**	**7,970**	**8,150**
Belgium	278	310	594	610 [b]	756 [b]	743 [b]	739 [b]	755 [b]
France	671	1,066	1,351	1,361	1,780	1,640	1,553	1,530
Italy	658	905	956	1,000	1,524	1,388	1,196	1,195
Netherlands	417	562	930	1,155	1,612	1,624	1,463	1,505
United Kingdom	449	666	748	1,055	1,316	1,167	1,270	1,399
West Germany	1,180	1,419	1,505	1,259	1,476	1,436	1,108	985
Other countries [a]								
India	110	232	846	1,508	2,224	2,164	3,143	3,430

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Communist countries									
USSR and Eastern Europe	**1,910**	**4,250**	**8,740**	**13,500**	**15,000**	**16,100**	**16,600**	**17,700**	NA
USSR [c]	1,003	2,712	5,423	8,535	9,151	10,241	10,705	11,593	13,050
Eastern Europe	**906**	**1,540**	**3,320**	**4,950**	**5,810**	**5,850**	**5,940**	**6,150**	NA
Bulgaria	86	260	602	672	677	730	753	758	831
Czechoslovakia	140	220	296	497	591	618	539	568	591
East Germany	334	348	395	538	875	943	967	948	NA
Hungary	57	148	350	421	550	559	589	571	594
Poland	270	394	1,030	1,533	1,376	1,290	1,274	1,298	1,341
Romania	19	166	647	1,292	1,738	1,707	1,822	2,008	NA
Other									
China	404	1,240	2,443	5,026	8,821	9,990	9,860	10,219	NA
Yugoslavia	4	90	238	278	314	296	304	295	302

[a] Data are for "fertilizer years"—in general, the year beginning 1 July. Including some technical nitrogen and anhydrous ammonia exported for further processing.

[b] Including Luxembourg.

[c] Including some nitrogen for technical purposes.

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Table 132

Thousand Metric Tons of P2O5

Phosphate Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1979/80	1980/81	1981/82	1982/83
OECD [a]	**7,960**	**11,300**	**13,700**	**13,900**	**17,800**	**17,900**	**14,800**	**15,400**
United States	2,626	4,260	5,369	6,531	9,083	9,500	7,092	7,653
Australia	569	940	695	481	919	800	745	734
Canada	210	419	560	610	703	724	658	581
Japan	515	588	665	585	744	648	580	625
Spain	299	317	487	456	478	497	372	449
European Community	**3,160**	**4,010**	**4,900**	**3,910**	**4,520**	**4,210**	**3,860**	**3,860**
Belgium	289	415	745	625 [b]	618 [b]	590 [b]	530 [b]	460 [b]
France [c] [d]	770	1,218	1,451	1,259	1,364	1,351	1,300	1,200
Italy	399	512	510	370	620	581	512	635
West Germany	750	857	946	649	735	687	559	564
Other countries								
Brazil	45	61	162	594	1,257	1,582	1,187	1,139

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Communist countries									
USSR and Eastern Europe	**1,850**	**3,470**	**5,500**	**8,120**	**9,200**	**9,080**	**9,540**	NA	
USSR [c]	1,192	2,300	3,585	5,511	6,344	6,455	6,836	7,057	7,350
Eastern Europe	**658**	**1,170**	**1,910**	**2,610**	**2,860**	**2,630**	**2,700**	NA	NA
Bulgaria	41	94	148	246	282	217	258	239	204
Czechoslovakia [c]	147	258	322	398	357	361	340	335	326
East Germany [c]	166	232	430	427	411	370	360	286	NA
Hungary	45	117	167	206	165	149	158	156	167
Poland	207	344	599	929	931	843	866	868	872
Romania	52	127	244	404	709	687	717	NA	NA
Other									
China [c]	94	262	330	680	1,817	2,310	2,510	2,537	NA
Yugoslavia	41	136	126	132	145	143	144	139	137

[a] Data are for "fertilizer years"—in general, the year beginning 1 July.
[b] Including Luxembourg.
[c] Including production of ground phosphate rock for direct application and phosphate animal feeds.
[d] Beginning 1 May of the stated year.

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Table 133

Thousand Metric Tons of K_2O

Potassium Fertilizer Production, Nutrient Content

	1960/61	1965/66	1970/71	1975/76	1979/80	1980/81	1981/82	1982/83
OECD [a]	**5,920**	**9,130**	**10,300**	**11,200**	**15,000**	**15,100**	**12,800**	**12,000**
United States	2,045	2,592	2,259	2,099	2,245	2,052	1,635	1,681
Canada	0	1,749	3,179	4,842	7,063	7,337	6,043	5,379
Spain	265	404	525	512	669	691	721	680
European Community	**3,600**	**4,390**	**4,290**	**3,760**	**5,010**	**5,040**	**4,410**	**4,220**
France [b]	1,581	1,877	1,842	1,734	1,915	1,933	1,726	1,601
West Germany [c]	1,967	2,335	2,293	1,848	2,704	2,701	2,286	2,226
Other countries								
Israel	92	310	576	712	792	812	885	902

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Communist countries									
USSR and Eastern Europe	**2,750**	**4,300**	**6,570**	**11,300**	**10,600**	**12,000**	**12,500**	**NA**	**NA**
USSR [d]	1,084	2,368	4,087	7,944	6,635	8,064	8,449	8,079	9,300
Eastern Europe	**1,670**	**1,930**	**2,490**	**3,400**	**3,940**	**3,930**	**4,020**	**NA**	**NA**
Czechoslovakia [e]	0	6	62	168	199	203	206	211	NA
East Germany	1,666	1,926	2,420	3,019	3,395	3,422	3,460	3,434	NA
Hungary [e]	0	0	0	63	143	139	152	142	NA
Poland [e]	0	0	0	119	124	105	101	118	NA
Romania [e]	0	0	4	33	75	57	102	NA	NA
Other									
China	0	0	7	14	16	20	20	26	NA

[a] Data are for "fertilizer years"—in general, the year beginning 1 July. Including unidentified double counting of some products used for technical purposes (estimated at 4 percent to 5 percent of the total).
[b] Beginning 1 May of the stated year.
[c] Excluding technical potash.
[d] Including some potassium for technical purposes.
[e] Imported potash added to domestically produced nitrogen and phosphate to form multinutrient fertilizer.

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Thousand Metric Tons

Table 134

Plastics Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [a]	2,850	5,300	9,660	10,206	13,866	12,786	13,532	12,912	13,999
Japan	556	1,609	5,128	4,373	6,964	6,422	5,936	5,986	6,400
European Community									
Belgium	46	120	419	678	1,969	1,835	1,940	2,023	2,190
Italy	346	931	1,567	2,053	2,562	2,464	2,154	2,142	2,350
Netherlands	116	340	795	1,350	2,012	1,975	2,393	2,502	2,777
United Kingdom	566	957	1,463	2,057	2,647	2,260	2,051	1,966	1,610
West Germany	982	1,999	4,321	5,046	7,255	6,710	6,600	6,275	6,784
Communist countries									
USSR and Eastern Europe	**560**	**1,370**	**2,860**	**4,920**	**6,560**	**7,110**	**7,670**	**7,710**	NA
USSR [b]	312	803	1,670	2,838	3,478	3,637	4,089	4,058	4,419
Eastern Europe	**248**	**571**	**1,190**	**2,080**	**3,080**	**3,470**	**3,580**	**3,650**	NA
Bulgaria	7	33	89	156	200	255	290	337	396
Czechoslovakia	64	126	245	428	853	894	913	956	1,006
East Germany	115	219	370	605	779	861	998	990	1,030
Hungary	10	27	56	124	294	328	314	326	340
Poland	40	91	224	421	440	549	476	451	525
Romania	12	75	206	347	516	579	584	591	NA
Other									
China	NA	100	180	330	790	900	916	1,003	NA
Yugoslavia	15	57	97	160	342	438	483	409	505

[a] Dry basis, excluding water, solvents, and other liquid diluents.

[b] Including resins for manmade fibers.

Thousand Metric Tons

Table 135

Natural Rubber Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
India	25.2	49.4	89.9	136.0	147.2	155.4	150.7	165.9	168.0
Indonesia [a]	620.3	716.5	815.2	822.5	905.0	1,020.0	867.5	888.0	1,005.0
Malaysia [b]	755.7	917.0	1,269.2	1,459.3	1,570.1	1,530.0	1,510.2	1,516.6	1,562.0
Sri Lanka	98.8	118.3	159.2	148.8	152.7	133.2	123.9	125.2	134.0
Thailand [a]	170.8	216.4	318.8	355.0	531.2	501.1	504.0	552.2	585.0

[a] Exports plus estimated consumption.

[b] Including data for Malaya and Singapore, Sarawak, and Sabah.

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Table 136

Thousand Metric Tons

Synthetic Rubber Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**1,910**	**2,960**	**4,550**	**4,480**	**6,150**	**5,420**	**5,320**	**4,710**	**5,010**
United States	1,459	1,842	2,232	1,990	2,720	2,215	2,234	1,829	1,978
Canada	162	206	205	173	282	253	263	182	181
Japan	23	161	698	789	1,107	1,094	1,010	931	1,002
European Community	**269**	**728**	**1,340**	**1,410**	**1,870**	**1,690**	**1,660**	**1,620**	**1,710**
France	17	148	316	350	541	511	487	479	514
Italy	67	120	155	200	270	250	235	210	210
Netherlands	12	100	200	216	238	212	211	203	196
United Kingdom	92	175	316	261	278	212	224	244	260
West Germany	81	164	302	316	418	390	397	384	418
Other countries									
Brazil	0	39	75	129	224	249	223	228	221
Communist countries									
USSR and Eastern Europe	**454**	**789**	**1,210**	**1,880**	**2,380**	**2,390**	**2,360**	**2,300**	**2,320**
USSR [a]	347	604	914	1,450	1,867	1,880	1,860	1,795	1,810
Eastern Europe	**107**	**185**	**295**	**427**	**518**	**508**	**505**	**506**	**514**
Bulgaria	0	0	4	19	30	30	30	25	25
Czechoslovakia	0	20	50	57	59	60	63	66	67
East Germany [b]	87	95	118	144	150	150	155	155	155
Poland	20	39	62	108	130	118	111	100	120
Romania	0	31	61	99	149	150	146	160	147

[a] Estimated.
[b] Including Pervinan and Plastikator.

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Table 137

Woven Cotton Fabrics Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States (million sm)	10,024	9,887	6,684	4,382	4,031	3,898	3,272	3,173	3,505
Japan (million sm)	3,221	3,013	2,616	2,124	2,339	2,202	2,066	2,029	2,080
Turkey [b] (million lm)	384	781	815	787	827	698	840	867	879
European Community									
France (thousand mt)	384	210	197	174	169	161	151	155	182
Italy (thousand mt)	139	103	129	126	154	164	169	184	191
United Kingdom [c] (million lm)	1,183	928	628	406	336	283	254	260	259
West Germany (thousand mt)	249	206	182	166	161	163	146	157	168
Other countries									
Hong Kong [c] (million sm)	387	543	645	682	718	660	616	545	630
India (million lm)	6,629	7,643	7,849	8,028	7,531	8,314	8,120	7,744	7,800
Pakistan [b] [c] (million sm)	NA	NA	NA	727	341	342	316	317	319
South Korea [d] (million sm)	188	246	193	255	317	358	403	490	443
Communist countries									
USSR and Eastern Europe									
USSR [e] (million sm)	4,838	5,499	6,152	6,634	6,977	7,068	7,171	7,145	7,381
Eastern Europe									
Bulgaria [e] (million lm)	218	291	319	372	349	347	353	365	366
Czechoslovakia [d] [e] (million lm)	464	500	501	555	608	613	636	665	648
East Germany (million sm)	254	244	248	246	263	276	287	360	297
Hungary [e] (million sm)	247	323	304	352	349	332	320	311	307
Poland [e] (million lm)	665	811	881	928	886	903	805	692	739
Romania [e] (million sm)	248	319	437	591	707	748	732	738	NA
Other									
China (million lm)	NA	5,727	8,500	9,565	12,150	12,800	14,270	15,350	NA
Cuba (million sm)	NA	96	76	138	149	157	172	151	170
Yugoslavia [f] (million sm)	257	394	390	376	418	386	377	372	377

[a] Unless otherwise indicated, data are for fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

[b] Mill production only. Data include finished fabrics.
[c] Excluding mixed fabrics.
[d] Including nonwoven fabrics.
[e] Fabrics after undergoing finishing processes.
[f] Including cellulosic fabrics.

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Table 138

Woven Woolen Fabrics Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States (million sm)	407	379	253	110	166	163	138	101	120
Canada [b] [c] (million sm)	25	30	28	31	NA	NA	NA	NA	NA
Japan [d] (million sm)	316	341	426	356	326	294	242	294	302
Spain (thousand mt)	17	22	34	30	NA	NA	NA	NA	NA
Turkey [c] (million lm)	10	24	25	35	31	25	29	25	33
European Community									
Belgium (thousand mt)	29	38	39	30	31	36	36	33	36
France (million lm)	NA	NA	NA	107	113	119	111	86	84
Italy (thousand mt)	47 [e]	35 [e]	134	159	105	NA	NA	NA	NA
United Kingdom [b] [c] (million sm)	307	270	215	151	138	118	97	100	93
West Germany [b] (thousand mt)	51	55	48	38	36	39	34	28	27
Other countries									
South Korea (million sm)	4	13	14	26	73	60	58	58	65
Communist countries									
USSR and Eastern Europe									
USSR [b] (million sm)	439	466	643	740	774	762	768	745	707
Eastern Europe									
Bulgaria [b] (million lm)	19	20	27	38	36	40	39	37	40
Czechoslovakia [b] [f] (million lm)	46	44	49	69	59	59	60	61	62
East Germany (million sm)	49	39	37	37	38	36	39	40	39
Hungary [b] (million sm)	32	36	39	39	41	43	45	41	37
Poland [b] (million lm)	79	91	99	124	122	121	106	92	99
Romania [b] (million sm)	32	41	63	96	125	128	128	142	NA
Other									
Yugoslavia (million sm)	46	55	57	66	76	92	96	94	95

[a] Unless otherwise indicated, data are for woven woolen and worsted fabrics (in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up) and for mixed woolen fabrics. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

[b] Fabrics after undergoing finishing processes.

[c] Factory shipments.

[d] Including finished fabrics.

[e] Excluding mixed fabrics.

[f] Including nonwoven fabric.

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Table 139

Woven Rayon and Acetate Fabrics Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States (million lm)	1,312	1,792	1,374	610	653	653	715	414	NA
Japan [b] (million sm)	1,828	1,653	1,545	840	900	881	775	746	706
European Community									
Belgium (thousand mt)	10	17	26	28	34	34	36	33	33
France [c] (thousand mt)	30	32	42	47	52	51	NA	NA	NA
United Kingdom [c] (million lm)	564	572	444	496	458	350	279	352	NA
West Germany (thousand mt)	NA	116	97	67	65	61	53	44	43
Other countries									
India [c] (million lm)	550	870	935	846	1,013	915	1,039	NA	NA
South Korea (million sm)	NA	NA	48	37	44	40	36	NA	NA
Communist countries									
USSR and Eastern Europe									
USSR (million sm)	628	769	1,105	1,463	1,666	1,716	1,752	1,766	1,801
Eastern Europe									
Bulgaria [c, d, e] (million lm)	11	15	21	31	31	34	35	36	37
Czechoslovakia (million lm)	NA	59	65	62	51	50	51	NA	NA
East Germany (million sm)	68	77	117	121	132	139	146	NA	NA
Hungary [b, d] (million sm)	28	36	57	55	57	57	59	57	55
Poland [e] (million lm)	112	126	156	180	163	163	143	128	NA
Romania [d, e] (million sm)	25	32	48	89	130	130	139	NA	NA
Other									
Cuba [f] (million sm)	NA	21	2	6	4	2	2	2	2
Yugoslavia [c] (million sm)	19	24	29	36	39	36	41	36	35

[a] Unless otherwise indicated, data are for pure and mixed fabrics, in the piece, before undergoing finishing processes such as bleaching, dyeing, and making up. Abbreviations for units of measure are as follows: linear meters, lm; square meters, sm; and metric tons, mt.

[b] Including finished fabrics.

[c] Including fabrics of noncellulosic fibers.

[d] Including fabrics of natural silk.

[e] Fabrics after undergoing finishing processes.

[f] State production of woven rayon.

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Table 140

Thousand Metric Tons

Synthetic Fibers Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	307.2	806.0	1,626.7	2,664.4	3,818.6	3,571.4	3,621.4	2,922.4	3,365.0
Japan	118.3	379.6	1,027.9	1,062.0	1,410.0	1,400.4	1,368.0	1,294.8	1,361.0
European Community	**204**	**586**	**1,370**	**1,710**	**2,020**	**1,840**	**1,940**	**1,810**	**1,940**
France	45.3	92.8	175.2	208.8	235.2	224.4	232.8	205.2	226.0
Italy	33.7	109.8	241.7	316.8	406.8	399.6	482.4	489.6	523.0
United Kingdom [b]	61.0	148.0	336.9	361.2	381.6	288.0	247.2	202.8	222.0
West Germany	52.3	179.3	497.0	633.6	784.8	721.2	768.0	702.0	756.0
Other countries									
South Korea	NEGL	1.8	46.2	267.9	480.0	648.0	614.4	NA	NA
Communist countries									
USSR and Eastern Europe	**35.5**	**136**	**361**	**819**	**1,130**	**1,200**	**NA**	**NA**	**NA**
USSR	15.0	77.0	167.0	365.0	529.0	570.0	609.0	655.0	765.0
Eastern Europe	**20.5**	**58.7**	**194**	**454**	**597**	**629**	**NA**	**NA**	**NA**
Bulgaria	0	0	23.1	41.7	51.7	54.7	NA	101.0	97.2
Czechoslovakia	3.4	9.8	31.4	69.4	97.6	106.3	165.1	179.9	NA
East Germany	7.8	19.0	47.3	111.8	135.8	138.7	146.2	NA	NA
Hungary	0.4	2.3	5.6	11.3	18.7	20.6	21.3	20.3	21.0
Poland	8.0	24.3	57.5	124.2	158.0	168.0	139.1	134.5	154.1
Romania	0.9	3.3	29.5	95.6	135.2	141.0	146.4	159.7	NA
Other									
Yugoslavia	NA	1.1	8.7	18.5	36.0	49.9	NA	NA	NA

[a] Data are for noncellulosic fibers whether made of natural polymers, which are based on materials such as casein or groundnuts, or made of synthetic polymers, which are based mostly on coal or petroleum. Data exclude waste, glass fibers, and rubber fibers.

[b] "Delivery weight," approximately 3 percent less than "actual weight," prior to mid-1967. Thereafter, approximately one-half of production is reported as "actual weight."

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Table 141

Electric Generator Production [a]

Thousand Kilowatts

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States [b]	12,899	15,451	27,565	30,496	29,757	21,122	15,435	9,986	12,000
Communist countries									
USSR	7,900	14,390	10,578	17,100	17,000	16,100	13,900	12,700	12,600
Bulgaria	29	13	37	32	83	NA	NA	NA	NA
Czechoslovakia [c]	1,391	888	1,487	1,474	1,300	879	1,404	1,189	NA
Hungary [c d]	357	416	473	752	420	487	161	428	NA
Romania	83	295	747	1,479	1,016	1,111	772	929	NA
China	NA	800	2,300	NA	6,212	4,193	1,395	1,677	2,728

[a] Turbogenerators and hydrogenerators. Production of diesel generators is believed to be negligible in most instances.
[b] Shipments of units of 4,000 kilowatts and larger.
[c] Generators for steam and gas turbines only.
[d] Thousand kilovolt amperes.

Table 142

Turbine Production [a]

Thousand Kilowatts

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States [b]	12,899	15,451	27,565	30,496	29,757	21,122	15,435	9,986	12,000
Communist countries									
USSR [c]	9,200	14,625	16,191	18,886	20,000	19,600	14,600	17,300	15,400
Czechoslovakia	1,555	1,994	2,239	1,720	1,561	1,120	1,671	NA	NA
Poland [d]	186	471	1,135	1,820	1,872	1,318	968	893	NA
Romania [e]	98	27	121	712	515	497	337	597	NA

[a] Unless otherwise indicated, data are for steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electricity. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.
[b] Shipments of units of 4,000 kilowatts and larger. Data are available only for turbines produced in integral units together with generators. Therefore, data for turbines and generators for the United States are assumed to be the same. Some turbines are produced in single units, but no data are available on this production.
[c] Including a small number of gas turbines.
[d] Steam turbines only.
[e] Steam turbines of more than 500 kilowatts only.

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Table 143

Million Square Meters

Housing Construction [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States	145.4	159.5	152.3	161.6	233.1	181.5	153.6	120.6	185.0
USSR	109.6	97.6	106.0	109.9	101.5	105.0	106.4	107.9	110.5

[a] Total housing space, which includes living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

Table 144

Thousand Units

Metalcutting Machine Tool Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States [b]	42.91	68.01	49.31	64.32	76.07	61.37	72.01	49.10	35.40
Communist countries									
USSR and Eastern Europe									
USSR	155.92	186.13	202.16	231.35	230.00	216.00	205.00	195.00	190.00
Eastern Europe									
Bulgaria	3.15	8.06	13.94	16.28	16.47	18.87	18.67	17.90	19.10
Czechoslovakia	30.23	24.33	35.19	29.66	35.66	36.90	34.70	37.10	50.00
East Germany	41.90	24.77	22.22	19.72	18.42	17.50	16.80	18.00	19.00
Hungary	9.78	13.85	14.48	12.83	12.06	10.20	10.90	12.80	14.00
Poland	22.47	31.13	29.73	33.19	30.86	28.20	30.50	31.50	32.00
Romania	4.44	7.16	14.14	28.27	27.19	29.40	36.70	37.90	39.00
Other									
China	NA	40.00	140.00	175.00	140.00	134.00	103.00	100.00	118.00

[a] Power-driven metalcutting machines that are not portable by hand and are used to remove metal in the form of chips; these machines include lathes and planers and milling, honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

[b] Average value of $1,000 and over for 1960-75 and beginning in 1979, $2,500 and over.

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Table 145

Thousand Units

Metalforming Machine Tool Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States [b]	19.3	25.3	24.2	26.8	31.4	30.3	21.7	18.3	31.5
USSR	29.9	34.6	41.3	50.5	56.3	57.2	57.1	57.3	57.5

[a] Power-driven metalforming machine tools that are not supported in the hands of an operator when in use and are designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

[b] Average value of $1,000 and over for 1960-75 and beginning in 1979, $2,500 and over.

Table 146

Units

Grain Combine Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States [b]	30,165	37,606	21,017	31,259	32,357	28,502	32,062	22,726	NA
Communist Countries									
USSR and Eastern Europe	**67,000**	**94,200**	**103,000**	**108,000**	NA	NA	NA	NA	NA
USSR	59,000	85,800	99,200	97,500	115,000	117,000	106,000	112,000	118,000
Eastern Europe	**8,040**	**8,380**	**4,230**	**10,800**	NA	NA	NA	NA	NA
East Germany	1,972	1,585	900	1,500	NA	NA	NA	NA	NA
Poland	564	1,781	2,155	3,591	4,268	4,593	4,255	4,600	4,600
Romania	5,500	5,012	1,179	5,659	3,016	4,890	6,017	4,800	NA

[a] Tractor-drawn and self-propelled.
[b] Shipments.

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Thousand Units

Table 147

Tractor Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**308**	**443**	**569**	**697**	**719**	**728**	**721**	**732**	**746**
United States	238.5	354.5	458.5	550.4	557.0	555.0	559.0	555.0	564.0
Japan	**70.0**	**88.2**	**111**	**147**	**162**	**173**	**162**	**177**	**182**
European Community	0	3.8	3.5	5.1	5.9	6.8	6.6	6.2	5.9
France	32.5	32.1	18.5	29.6	35.4	33.4	32.1	33.5	34.2
Italy	9.1	12.9	16.4	4.0	3.5	4.4	4.3	4.4	3.7
United Kingdom [c]	2.6	3.0	1.9	0.6	0.1	0.1	0.2	0.3	0.4
West Germany [d]	8.7	20.6	41.0	57.6	54.2	57.5	50.5	53.0	55.5
Communist countries	17.1	15.8	29.3	50.0	62.5	70.9	68.1	80.0	82.7
USSR and Eastern Europe									
USSR	10.8	13.7	24.0	NA	125.6	98.0	53.0	40.0	37.0
Eastern Europe	7.3	7.4	12.0	33.2	49.9	50.7	54.7	52.3	54.9
Bulgaria									
Czechoslovakia									
East Germany									
Hungary									
Poland									
Romania									
Other									
China									
Yugoslavia									

[a] Excluding garden-type tractors.
[b] Data are for 1971.
[c] Shipments.
[d] Excluding single-axle tractors.

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Table 148

Thousand Units

Passenger Automobile Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [a]	6,675	9,306	6,547	6,713	8,419	6,400	6,225	5,049	6,739
Canada	326	707	923	1,045	988	847	803	808	960
Japan	165	696	3,179	4,568	6,180	7,038	6,978	6,336	7,160
Spain	NA	160	455	702	973	1,026	862	916	1,230
European Community	**4,920**	**7,130**	**9,410**	**8,530**	**10,300**	**9,450**	**8,830**	**9,140**	**10,200**
France	1,136	1,374	2,458	2,951	3,732	3,487	2,953	3,086	3,750
Italy [b]	596	1,104	1,720	1,348	1,476	1,445	1,256	1,296	1,380
United Kingdom	1,353	1,722	1,641	1,268	1,070	924	955	888	1,045
West Germany	1,817	2,734	3,528	2,905	3,936	3,512	3,590	3,776	3,878
Other countries									
Brazil [c]	57	114	255	554	914	947	612	659	NA
Communist countries									
USSR and Eastern Europe	**272**	**411**	**710**	**1,780**	**2,110**	**2,140**	**2,030**	**2,020**	NA
USSR	139	201	344	1,201	1,314	1,327	1,324	1,307	1,315
Eastern Europe	**133**	**210**	**366**	**581**	**793**	**815**	**708**	**713**	NA
Bulgaria	0	0	8	15	15	15	15	24	29
Czechoslovakia	56	78	143	175	182	184	181	174	178
East Germany	64	103	127	159	171	177	180	183	188
Poland [d]	12	25	64	164	350	351	240	228	270
Romania [e]	1	4	24	68	75	88	92	104	NA
Other									
Yugoslavia [c]	4	36	111	183	279	255	242	213	215

[a] Factory sales. Starting in 1980 excluding passenger vans.
[b] Excluding production for the armed forces.
[c] Including vehicles assembled from imported parts.
[d] Excluding special passenger cars.
[e] Including jeeps.

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Table 149

Thousand Units

Truck and Bus Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD [b]									
United States [c]	1,194	1,752	1,692	2,272	3,037	1,667	1,906	2,414	3,706
Canada	72	145	236	379	644	528	520	468	522
Japan	595	1,222	2,126	2,376	3,468	4,006	4,206	3,857	3,986
Spain	17	74	77	113	166	146	127	102	34
European Community	**982**	**1,020**	**1,210**	**1,120**	**1,370**	**1,460**	**1,200**	**1,140**	**1,170**
France	234	242	292	336	468	505	473	446	455
Italy [d]	49	72	134	109	151	167	175	156	172
United Kingdom	458	455	458	380	408	389	229	269	245
West Germany	238	243	318	288	324	380	312	258	283
Other countries									
Brazil	76	72	161	395	203	210	151	144	NA
Communist countries									
USSR and Eastern Europe	**452**	**505**	**728**	**977**	**1,070**	NA	NA	NA	NA
USSR	385	415	572	763	859	872	874	866	866
Eastern Europe	**67**	**90**	**156**	**214**	**213**	NA	NA	NA	NA
Bulgaria	0	0	3	6	8	NA	NA	NA	NA
Czechoslovakia [e]	18	18	27	33	43	46	46	47	46
East Germany	13	16	27	38	40	40	41	38	NA
Hungary [e]	4	6	10	13	13	13	11	13	12
Poland	23	34	53	85	71	67	53	47	14
Romania	9	16	37	39	38	36	NA	NA	NA
Other									
China [f]	15	30	70	133	186	222	176	196	240
North Korea	3	4	8	19	24	NA	NA	NA	NA
Yugoslavia	6	12	17	19	20	21	20	20	20

[a] Unless otherwise indicated, data are for light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.
[b] Data include complete units exported for assembly.
[c] Factory sales, including passenger vans starting in 1980.
[d] Excluding production for the armed forces.
[e] Excluding wheeled tractors.
[f] Excluding buses, jeeps, and three-wheel trucks.

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Table 150

Thousand Units

Railroad Freight Car Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	57.31	77.83	66.18	72.39	90.02	85.92	44.90	17.24	5.77
European Community									
France [b]	7.93	15.04	14.23	9.62	6.06	5.60	6.55	3.83	3.00
West Germany	6.63	11.31	9.60	6.96	6.01	10.60	9.50	NA	NA
Other countries									
India [c]	11.90	33.50	11.98	12.24	11.29	11.40	16.54	15.80	16.40
Communist countries									
USSR and Eastern Europe	**64.7**	**72.9**	**97.5**	**117**	**108**	**NA**	**NA**	**NA**	**NA**
USSR	36.40	39.60	58.30	69.90	64.60	63.00	61.00	58.60	58.40
Eastern Europe	**28.3**	**33.3**	**39.2**	**47.4**	**43.8**	**NA**	**NA**	**NA**	**NA**
Bulgaria	2.01	1.58	1.99	2.51	3.00	NA	NA	NA	NA
Czechoslovakia	5.15	4.30	4.35	5.03	6.84	7.27	7.38	6.52	NA
East Germany	2.14	2.17	5.71	5.05	5.03	3.90	4.80	NA	NA
Hungary	0.45	0.55	0.50	0.48	0.01	0.03	NEGL	0.01	NA
Poland	13.90	16.30	15.46	18.74	15.91	15.20	9.10	6.40	6.00
Romania	4.62	8.58	11.16	15.59	13.20	13.24	9.77	10.03	11.30
Other									
China	23.00	6.60	8.00	14.50	16.04	10.57	8.78	10.56	15.78
North Korea	0.60	1.60	3.50	6.90	9.50	NA	NA	NA	NA
Yugoslavia	3.42	4.85	2.61	3.33	1.72	2.13	2.69	3.03	3.16

[a] Units of two, four, or more axles. Most production now consists of four-axle units.
[b] Shipments.
[c] Four wheelers only.

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Thousand Units

Table 151

Television Receiver Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	5,828	11,028	9,483	10,637	16,616	18,532	18,480	16,405	19,680
Japan	3,578	4,190	13,782	10,625	13,577	15,205	11,630 [a]	11,423 [a]	12,372 [a]
European Community	**6,140** [b]	**7,210** [b]	**9,490**	**9,890**	**11,300**	**11,600**	**10,900**	**11,340**	NA
France	655	1,250	1,511	1,606	1,854	1,928	1,961	2,161	1,956
Italy	728	1,042	2,030	1,931	2,031	1,984	1,541	1,719	1,573
United Kingdom	2,141	1,591	2,214	2,124	2,470	2,357	1,966	2,380	NA
West Germany	2,164	2,776	2,936	3,356	4,105	4,425	4,401	4,173	4,706
Communist countries									
USSR and Eastern Europe	**2,720**	**5,360**	**8,900**	**9,920**	**10,300**	**10,400**	**11,000**	**10,800**	NA
USSR	1,726	3,655	6,682	6,960	7,271	7,528	8,190	8,345	8,578
Eastern Europe	**989**	**1,700**	**2,220**	**2,960**	**3,030**	**2,920**	**2,810**	**2,505**	NA
Bulgaria	NEGL	74	193	124	82	91	112	123	127
Czechoslovakia	263	274	383	445	450	389	398	391	NA
East Germany	416	537	380	509	584	578	619	652	NA
Hungary	139	267	364	400	421	417	424	351	333
Poland	171	452	616	971	915	900	764	576	567
Romania	NEGL	101	280	512	574	541	498	412	390
Other									
China	NA	5	15	205	1,329	2,492	5,394	5,606	6,819
Yugoslavia	14	254	320	425	599	543	511	489	528

[a] Colored television receivers only.
[b] Excluding data for Greece.

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Table 152

Thousand Units

Rubber Tire Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	123,059	172,532	193,971	191,999	206,687	159,263	181,762	178,500	186,923
Japan [c]	10,100	28,432	63,828	74,580	100,020	113,004	127,788	125,292	135,740
European Community									
France [d]	16,518	23,374	39,415	39,365	50,820	50,544	43,224	41,484	44,830
Italy [c]	NA	NA	22,383	25,716	53,640	52,320	48,600	44,364	42,830
United Kingdom [c]	15,904	23,394	30,540	26,008	26,894	26,346	23,724	24,372	23,976
West Germany [c]	14,745	25,566	37,548	32,016	38,568	37,848	35,412	35,952	37,548
Communist countries									
USSR and Eastern Europe	**25,300**	**38,700**	**52,300**	**76,900**	**89,200**	**90,700**	NA	NA	NA
USSR	17,225	26,434	34,620	51,480	59,981	60,100	60,500	61,700	62,000
Eastern Europe	**8,070**	**12,300**	**17,700**	**25,400**	**29,200**	**30,600**	NA	NA	NA
Bulgaria	204	474	919	1,736	1,793	2,117	2,230	NA	NA
Czechoslovakia	2,387	2,995	3,933	5,945	6,581	6,740	6,844	6,198	NA
East Germany	2,714	3,750	4,692	6,272	6,890	7,067	7,026	7,056	7,420
Hungary	551	921	1,090	1,013	750	840	838	NA	NA
Poland	1,862	2,818	4,516	6,644	8,500	8,743	NA	5,693	NA
Romania	351	1,329	2,508	3,786	4,691	5,046	5,170	5,445	NA
Other									
China	NA	2,300	4,200	7,000	12,000	11,000	7,300	8,640	12,710
Cuba	325	197	202	368	302	387	326	218	353
Yugoslavia	391	955	2,763	5,110	9,161	9,584	10,512	9,388	9,350

[a] Unless otherwise indicated, data are for all motor vehicle tires, excluding aircraft and bicycle tires.
[b] Excludes motorcycle tires after 1975.
[c] Excluding motorcycle tires.
[d] Excluding motorcycle, tractor, and agricultural tires.

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Table 153

Million Metric Tons

Cement Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**186**	**250**	**318**	**336**	**392**	**383**	**374**	**354**	**358**
United States	56.06	65.08	67.43	61.82	76.65	68.22	65.04	57.47	63.88
Canada	5.34	7.66	7.28	9.74	11.00	10.34	10.15	8.14	7.90
Japan	22.54	32.49	57.19	65.52	87.80	87.96	84.83	79.21	80.35
Spain	5.23	9.88	16.70	24.10	28.06	28.01	28.75	29.60	30.12
Turkey	2.04	3.24	6.37	10.86	13.79	12.88	15.04	15.72	13.60
European Community	**79.0**	**110**	**137**	**137**	**148**	**148**	**142**	**136**	**135**
Belgium	4.39	5.90	6.73	6.89	7.70	7.49	6.68	6.35	5.91
France	14.35	22.42	29.01	29.71	28.84	29.10	28.22	26.15	24.97
Italy	16.01	20.70	33.08	34.24	39.72	41.86	42.10	40.25	40.18
United Kingdom	13.50	16.98	17.17	16.90	16.14	14.81	12.73	12.96	13.39
West Germany	24.90	34.13	38.32	33.50	35.06	34.26	31.50	30.37	29.57
Other countries									
Brazil	4.74	5.87	9.00	16.74	24.88	27.19	26.05	25.44	21.11
India	7.84	10.58	13.96	16.24	18.26	17.70	20.77	22.49	25.34
Mexico	3.09	4.30	7.27	11.70	15.14	16.26	17.84	19.10	17.42
Communist countries									
USSR and Eastern Europe	**68.4**	**104**	**137**	**180**	**190**	**191**	**188**	**186**	**190**
USSR	45.52	72.39	95.25	122.06	123.02	125.05	127.17	123.68	128.00
Eastern Europe	**22.9**	**31.8**	**42.1**	**58.1**	**66.6**	**66.1**	**60.9**	**62.0**	**61.5**
Bulgaria	1.59	2.68	3.67	4.36	5.40	5.36	5.45	5.61	5.68
Czechoslovakia	5.05	5.71	7.40	9.30	10.26	10.55	10.65	10.33	10.50
East Germany	5.03	6.09	7.98	10.66	12.27	12.44	12.20	11.72	11.96
Hungary	1.57	2.38	2.77	3.76	4.85	4.66	4.64	4.37	4.24
Poland	6.60	9.57	12.18	18.54	19.18	18.44	14.23	16.03	16.16
Romania	3.05	5.41	8.13	11.52	14.66	14.61	13.76	13.93	13.00
Other									
China	12.00	16.28	26.60	47.10	73.90	79.86	84.00	95.00	106.00
Modern Plants	9.00	10.90	15.10	19.40	24.73	28.75	30.00	26.00	29.00
Small Plants	3.00	5.38	11.50	27.70	49.17	51.11	54.00	69.00	77.00
Cuba	0.80	0.80	0.74	2.08	2.61	2.83	3.29	3.16	3.10
North Korea	2.30	2.40	4.00	5.70	8.00	8.20	7.80	NA	NA
Yugoslavia	2.40	3.10	4.40	7.07	9.08	9.32	9.78	9.72	9.88

[a] All types of hydraulic cements used in construction.

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Table 154

Thousand Metric Tons

Newsprint Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**12,700**	**15,100**	**18,800**	**17,400**	**21,200**	**22,000**	**22,900**	**21,300**	**21,900**
United States	1,818	1,978	3,035	3,153	3,685	4,239	4,753	4,574	4,688
Australia	90	95	173	196	208	222	215	364	376
Canada	6,068	7,003	7,996	7,056	8,710	8,621	8,946	8,117	8,530
Finland	781	1,213	1,305	1,028	1,391	1,430	1,556	1,297	1,285
New Zealand	91	199	214	219	260	319	323	322	NA
Norway	226	308	554	436	566	588	696	662	703
Sweden	582	679	1,030	1,188	1,484	1,534	1,604	1,322	1,370
European Community	**2,030**	**2,090**	**2,170**	**1,510**	**1,740**	**1,780**	**1,560**	**1,450**	**1,460**
France	551	450	430	256	281	260	246	248	236
Italy	259	379	311	240	268	271	234	198	190
United Kingdom	753	780	757	316	364	364	113	86	79
West Germany	230	216	408	482	598	593	670	662	664
Other countries									
South Africa	0	54	160	210	226	224	300	300	NA
South Korea	27	45	102	107	174	215	236	212	208
Communist countries									
USSR and Eastern Europe	**678**	**1,050**	**1,420**	**1,660**	**1,790**	**1,920**	**1,910**	**1,870**	NA
USSR	434	744	1,101	1,361	1,420	1,535	1,532	1,508	1,568
Eastern Europe	**244**	**303**	**319**	**300**	**371**	**380**	**379**	**366**	NA
Czechoslovakia	34	78	81	77	74	70	76	79	68
East Germany	89	94	97	96	104	116	118	118	NA
Poland	77	79	88	83	91	91	82	78	83
Romania	44	52	53	44	102	103	103	91	NA
Other									
Cuba [a]	NA	NA	19	32	35	37	40	36	NA
Yugoslavia	28	46	75	85	84	45	52	29	28

[a] Printing and writing paper.

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Table 155

Thousand Cubic Meters

Plywood Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD	**12,400**	**19,800**	**26,200**	**25,400**	**30,900**	**27,900**	**27,600**	**24,200**	NA
United States	7,910	12,811	14,078	14,579	17,128	14,857	16,300	13,300	NA
Canada	1,000	1,702	1,851	2,051	2,510	2,338	1,510	1,682	2,030
Finland	414	545	706	415	639	639	603	596	NA
Japan	1,286	2,627	6,922	6,168	8,532	8,000	7,096	6,740	NA
Spain	75	131	225	266	134	162	110	90	NA
European Community	**1,350**	**1,670**	**1,900**	**1,570**	**1,620**	**1,570**	**1,580**	**1,460**	NA
France	390	477	643	551	539	527	516	477	400
Italy	150	300	420	400	410	400	500	462	NA
West Germany	660	670	569	400	444	429	354	331	NA
Other countries									
Brazil	98	220	342	660	762	826	902	902	NA
Malaysia	2	28	197	404	490	601	603	787	NA
Philippines	287	257	653	423	515	553	463	455	NA
Singapore	NA	32	215	334	482	482	482	482	NA
South Korea	29	215	847	1,436	2,338	1,575	1,599	1,423	NA
Communist countries									
USSR and Eastern Europe	**1,690**	**2,260**	**2,600**	**2,850**	**2,670**	**2,710**	**2,680**	NA	NA
USSR	1,354	1,756	2,045	2,196	1,988	2,022	2,035	2,015	2,030
Eastern Europe	**333**	**506**	**558**	**658**	**684**	**685**	**646**	NA	NA
Bulgaria	64	81	71	65	58	57	53	56	55
Czechoslovakia	46	55	57	113	135	137	136	152	NA
East Germany	60	67	73	78	82	82	76	NA	NA
Hungary	22	20	12	5	3	5	5	NA	NA
Poland	73	83	99	128	128	131	116	104	NA
Romania	68	200	246	269	278	273	260	252	NA
Other									
Yugoslavia	61	111	103	126	140	117	102	96	92

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Agriculture

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Table 156

Million Metric Tons

Total Grain Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Developed countries									
United States	181.26	183.46	186.72	249.17	302.81	269.68	333.43	338.13	208.53
Australia	10.81	9.68	12.86	17.73	23.30	16.36	23.55	13.91	30.66
Canada	25.39	30.56	26.47	35.26	34.36	39.81	49.32	51.97	47.01
Japan	20.18	18.24	17.00	17.60	15.92	13.17	13.80	13.98	14.10
New Zealand	0.38	0.47	0.58	0.65	0.80	0.75	0.79	1.00	0.86
South Africa	6.52	6.19	8.06	11.50	10.94	13.02	17.74	11.26	6.12
Spain	7.27	8.86	10.30	14.20	13.88	18.64	11.57	13.14	13.71
Turkey	12.12	12.63	15.66	21.91	25.51	24.21	25.28	26.41	24.46
European Community	**71.1**	**84.1**	**90.3**	**100**	**118**	**125**	**122**	**131**	**124**
France	23.02	29.05	31.29	35.12	43.72	47.36	44.50	48.18	45.83
Italy	11.98	14.52	16.15	17.15	17.62	17.99	18.46	18.26	18.08
United Kingdom	9.46	13.62	13.01	13.82	17.36	19.42	19.58	21.88	21.46
West Germany	15.06	13.47	16.07	20.08	22.09	22.41	22.24	23.90	22.54
Other countries									
Argentina	12.57	16.54	19.66	22.79	24.47	18.27	29.71	34.22	29.92
Bangladesh	14.57	15.82	16.86	19.28	19.62	21.66	21.55	22.30	22.81
Brazil	14.61	19.66	22.78	26.19	27.12	33.19	32.00	33.80	29.26
Colombia	1.56	1.81	1.67	2.83	3.49	3.24	3.34	3.62	3.34
Egypt	5.43	6.14	6.62	7.36	7.44	7.52	7.59	7.93	8.07
India	78.97	73.06	101.80	117.35	118.38	131.15	137.45	126.34	153.66
Indonesia	15.35	15.42	22.15	25.26	29.89	33.65	37.29	37.31	38.30
Mexico	7.36	11.32	14.99	16.62	15.63	21.11	25.53	20.38	25.25
Pakistan	6.24	4.46	11.75	12.82	16.03	16.86	17.96	17.86	19.04
Peru	1.13	1.19	1.32	1.48	1.47	1.14	1.62	1.69	1.52
Thailand	8.38	12.26	15.47	18.39	18.82	20.60	21.50	20.12	22.41
Venezuela	0.51	0.72	0.86	1.09	1.62	1.55	1.48	1.55	1.22
Zimbabwe	1.01	0.95	0.79	2.03	1.39	1.88	3.09	2.03	1.23

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Table 156 (continued)

Million Metric Tons

Total Grain Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Communist countries									
USSR and Eastern Europe	**173**	**174**	**242**	**213**	**255**	**270**	**239**	**269**	**280**
USSR [b]	125.56	121.06	186.80	140.12	179.33	189.09	160.00 [c]	180.00 [c]	195.0 [c]
Eastern Europe [d]	**47.2**	**53.3**	**55.1**	**73.1**	**75.3**	**80.5**	**79.3**	**88.6**	**84.8**
Bulgaria [e]	4.97	5.35	6.91	7.87	8.52	7.81	8.64	10.18	8.14
Czechoslovakia	4.84	5.23	7.20	9.28	9.18	10.70	9.40	10.28	11.04
East Germany	6.38	6.73	6.46	8.91	8.86	9.63	8.86	10.02	10.06
Hungary	6.90	7.41	7.62	12.19	12.04	13.79	12.63	14.63	13.50
Poland	14.30	16.01	16.25	19.56	17.34	18.34	19.72	21.17	22.10
Romania	9.83	12.60	10.63	15.27	19.34	20.20	20.08	22.33	20.00
Other									
China [f]	140.30	194.52	239.96	284.52	332.12	320.52	325.02	353.43	387.28
Cuba [g]	0.41	0.08	0.31	0.36	0.32	0.37	0.34	0.39	NA
Kampuchea [h]	NA	NA	NA	NA	0.60	1.60	1.60	1.90	1.80
Laos [h]	NA	NA	0.80	NA	0.90	1.10	1.20	1.10	1.10
North Korea	2.66	3.15	3.50	5.40	6.30	6.30	6.20	6.65	6.50
Vietnam [i]	NA	NA	NA	11.50	13.70	14.40	15.10	16.20	17.00
Yugoslavia	10.93	10.58	11.61	15.01	15.63	15.65	15.23	17.41	17.24

[a] Data are for the following products, where they are produced: barley, corn, oats, rice, rye, sorghum, and wheat.
[b] Including miscellaneous grains and pulses. Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.
[c] United States Department of Agriculture estimates.
[d] Including miscellaneous grains.
[e] Including pulses.
[f] Including soybeans, broad beans, and field peas. Tubers are included on a grain equivalent basis of 5 metric tons of tubers to 1 metric ton of grain.
[g] Data reflect only government collections of corn and rice; total production of grains is somewhat higher.
[h] Data reflect only rice production.
[i] Including corn, manioc, sweet potatoes, and soybeans on a paddy-equivalent basis (1 ton paddy=0.63 tons of grain or rice).

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Table 157

Wheat Production

Million Metric Tons

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	36.87	35.80	36.78	57.89	58.08	64.62	76.17	76.54	66.01
Australia	7.45	7.07	7.89	11.98	16.19	10.86	16.36	8.88	21.78
Canada	14.11	17.67	9.02	17.08	17.20	19.29	24.80	26.79	26.92
Spain	3.52	4.72	4.13	4.30	4.10	6.04	3.41	4.41	4.33
Turkey	7.00	7.43	10.08	14.83	17.57	16.55	17.00	17.54	16.40
European Community	**29.5**	**37.3**	**36.7**	**40.2**	**48.8**	**55.1**	**54.4**	**59.8**	**59.3**
France	11.01	14.76	12.92	15.01	19.54	23.68	22.86	25.34	24.78
Italy	6.79	9.78	9.69	9.61	8.98	9.16	8.83	8.90	8.51
United Kingdom	3.04	4.17	4.24	4.49	7.17	8.47	8.71	10.32	10.88
West Germany	4.82	4.22	5.66	7.01	8.06	8.16	8.31	8.63	9.00
Other countries									
Argentina	4.20	6.08	4.92	8.57	8.10	7.78	8.30	15.13	11.70
India	10.32	12.26	20.09	24.10	35.51	31.83	36.31	37.45	42.50
Iran	2.60	2.90	4.26	5.57	5.95	6.00	6.52	6.50	6.67
Pakistan	3.91	4.59	7.29	7.67	9.95	10.86	11.47	11.30	12.41
Communist countries									
USSR and Eastern Europe	**77.3**	**78.2**	**119**	**90.3**	**113**	**127**	**106**	**115**	**107**
USSR [a]	64.30	59.69	99.73	66.22	90.30	98.18	80.00 [b]	86.00 [b]	78.00 [b]
Eastern Europe	**13.0**	**18.6**	**19.1**	**24.1**	**22.8**	**29.1**	**26.0**	**29.0**	**28.9**
Bulgaria	2.38	2.92	3.03	3.00	3.35	3.85	4.44	4.91	3.60
Czechoslovakia	1.50	1.99	3.17	4.20	3.74	5.39	4.32	4.61	5.82
East Germany	1.46	1.80	2.13	2.74	3.12	3.10	2.94	2.74	3.47
Hungary	1.77	2.45	2.72	4.01	3.71	6.08	4.61	5.76	5.96
Poland	2.30	3.34	4.61	5.21	4.19	4.18	4.20	4.48	5.20
Romania	3.55	6.06	3.40	4.91	4.72	6.47	5.47	6.51	4.86
Other									
China	22.17	25.22	29.18	45.31	62.73	54.16	58.49	68.42	81.39
Yugoslavia	3.57	3.46	3.79	4.40	4.51	5.09	4.27	5.22	5.52

[a] Measured in bunker weight, that is, gross output from the combine which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.

[b] United States Department of Agriculture estimates.

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Table 158

Million Metric Tons

Coarse Grains Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	141.91	144.20	146.14	185.46	238.75	198.43	248.97	254.62	137.99
Canada	11.28	12.89	17.45	18.19	17.16	20.51	24.51	25.18	20.09
Spain	3.39	3.80	5.79	9.52	9.36	12.17	7.71	8.33	9.16
Turkey	4.95	5.05	5.34	6.84	7.58	7.42	7.96	8.52	7.74
European Community	**40.9**	**46.1**	**52.6**	**58.8**	**67.7**	**68.7**	**67.0**	**70.4**	**63.5**
Denmark [b]	3.94	5.17	5.58	5.69	7.08	6.40	6.43	6.77	4.85
France	11.90	14.20	18.28	20.07	24.15	23.65	21.62	22.81	21.02
Italy	4.57	4.23	5.64	6.53	7.53	7.87	8.73	8.39	8.51
United Kingdom	6.42	9.44	8.77	9.33	10.19	10.95	10.87	11.56	10.58
West Germany	10.25	9.25	10.41	13.07	14.03	14.25	13.93	15.27	13.54
Other countries									
Argentina	8.22	10.30	14.34	13.87	10.06	10.23	21.12	18.66	17.94
Brazil	9.10	11.44	14.29	16.62	16.59	20.71	21.56	22.24	19.23
India	16.64	14.87	18.31	19.90	19.39	19.01	21.25	18.94	21.16
Mexico	5.84	8.96	11.91	13.10	12.88	17.86	21.70	15.31	20.90
South Africa	5.76	5.06	6.67	9.70	8.85	11.55	15.40	8.84	4.34
Communist countries									
USSR and Eastern Europe	**95.2**	**95.4**	**122**	**121**	**139**	**140**	**124**	**145**	NA
USSR [c] [d]	61.08	60.79	85.78	71.88	86.58	88.30	72.00 [e]	86.00 [e]	105.00 [e]
Eastern Europe	**34.1**	**34.7**	**35.8**	**48.8**	**52.3**	**51.3**	**51.7**	**59.4**	NA
Bulgaria	2.56	2.39	3.81	4.81	5.09	3.89	4.12	5.18	NA
Czechoslovakia	3.34	3.24	4.03	5.08	5.44	5.31	5.08	5.67	5.28
East Germany [c]	4.92	4.93	4.32	6.17	5.74	6.53	5.92	7.28	6.59
Hungary	5.08	4.94	4.85	8.13	8.32	7.88	8.21	8.82	7.54
Poland [c]	12.00	12.67	11.64	14.35	13.15	14.16	15.52	16.69	16.97
Romania	6.22	6.49	7.17	10.29	14.56	13.69	13.04	15.78	11.70
Other									
Cuba [f]	0.10	0.03	0.02	0.02	0.01	0.01	0.01	0.01	NA
Yugoslavia	7.34	7.10	7.79	10.57	11.08	10.52	10.92	12.15	12.46

[a] Data are for the following products, where they are produced: barley, corn, oats, rye, and sorghum.
[b] Excluding corn.
[c] Unless otherwise indicated, data include miscellaneous grains.
[d] Measured in bunker weight, that is, gross output from the combine, which includes excess moisture, unripe and damaged kernels, weed seeds, and other trash. For comparison with US or other country grain output, an average discount of 11 percent should be applied.
[e] United States Department of Agriculture estimates.
[f] Corn only. Data reflect government collections only. Total production is somewhat higher.

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Table 159

Thousand Metric Tons

Rice Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	2,477	3,460	3,801	5,826	5,985	6,629	8,289	6,967	4,523
Japan	16,072	15,515	15,861	17,097	14,948	12,189	12,824	12,838	12,958
European Community	**779**	**712**	**985**	**1,150**	**1,230**	**1,080**	**992**	**1,070**	**1,170**
Italy	622	509	819	1,010	1,107	968	893	964	1,060
Other countries									
Bangladesh	14,522	15,751	16,733	19,582	19,109	20,821	20,444	21,322	21,700
Brazil	5,392	5,802	5,394	7,782	7,595	9,776	8,228	9,716	7,760
Burma	6,850	8,258	8,162	9,208	10,448	13,317	14,147	14,758	14,500
India	52,011	45,982	63,401	73,352	63,476	80,312	79,883	69,948	90,000
Indonesia	14,953	15,063	19,324	22,340	26,283	29,652	32,774	34,104	34,300
South Korea	4,151	4,770	5,471	6,485	7,881	5,311	7,149	7,308	7,608
Thailand	9,475	10,978	13,570	15,300	15,758	17,368	17,774	16,878	18,535
Communist countries									
USSR and Eastern Europe	**313**	**683**	**1,460**	**2,210**	**2,570**	**2,920**	**2,580**	**2,670**	**2,660**
USSR	187	583	1,279	2,009	2,394	2,791	2,400 [b]	2,500 [b]	2,500 [b]
Eastern Europe	**126**	**100**	**176**	**206**	**174**	**130**	**178**	**169**	**164**
Bulgaria	32	33	66	68	73	67	74	75	72
Hungary	45	21	45	69	41	24	39	48	42
Romania	49	46	65	69	60	39	49	46	50
Other									
China	59,730	87,720	109,990	125,560	143,750	139,255	143,205	161,240	168,870
Cuba [c]	306	50	291	338	312	352	329	372	NA
Kampuchea	NA	NA	NA	NA	600	1,600	1,600	1,900	1,800
Laos	NA	NA	800	NA	900	1,100	1,200	1,100	1,100
Vietnam [d]	4,212	4,600	4,500	4,500	10,700	11,700	12,500	13,780	14,800
Yugoslavia	22	25	32	37	34	42	42	42	43

[a] Rough, or paddy, rice. Data refer to crops harvested in the last half of the year stated, combined with crops harvested in the first half of the following year.

[b] FAO estimates

[c] Milled rice. Data reflect government collection only.

[d] Prior to 1979, data for North Vietnam.

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Table 160

Million Metric Tons

Potato Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	11.68	13.14	14.78	14.60	15.54	13.74	15.36	15.96	14.77
Austria	3.81	2.54	2.70	1.58	1.49	1.26	1.31	1.12	1.02
Canada	2.06	2.11	2.30	2.20	2.75	2.47	2.68	2.80	2.52
Japan	3.59	4.06	3.62	3.26	3.38	3.42	3.10	3.78	3.70
Spain	4.62	4.00	5.30	5.34	5.64	5.74	5.47	5.22	5.10
European Community	**61.8**	**48.1**	**47.2**	**34.1**	**37.5**	**35.2**	**34.8**	**35.2**	**29.3**
France	15.89	11.07	8.90	6.64	7.15	6.62	6.44	6.79	5.32
Italy	3.82	3.55	3.67	2.94	3.02	2.92	2.88	2.62	2.83
Netherlands	3.97	3.24	5.65	5.00	6.28	6.27	6.44	6.22	5.46
United Kingdom	7.27	7.58	7.82	4.79	6.48	7.10	6.21	6.93	5.85
West Germany	24.54	18.09	16.25	10.85	10.20	7.93	8.42	7.82	6.09
Other countries									
Argentina	2.07	2.49	2.34	1.35	1.69	1.57	2.25	1.82	2.01
India	2.75	3.60	3.91	6.22	10.13	8.33	9.60	9.91	10.11
Communist countries									
USSR and Eastern Europe	**149**	**152**	**169**	**151**	**163**	**111**	**135**	**129**	NA
USSR	84.37	88.68	96.78	88.70	90.96	67.02	72.14	78.18	83.00
Eastern Europe	**64.3**	**63.4**	**72.4**	**62.0**	**71.6**	**43.7**	**62.6**	**50.9**	NA
Bulgaria	0.48	0.28	0.37	0.32	0.42	0.30	0.40	0.47	0.43
Czechoslovakia	5.09	3.68	4.79	3.56	3.72	2.70	3.74	3.61	3.11
East Germany	14.82	12.86	13.05	7.67	12.24	9.21	10.38	8.88	NA
Hungary	3.00	1.76	1.81	1.27	1.09	0.94	1.11	0.97	0.79
Poland	37.90	42.66	50.30	46.43	49.57	26.39	42.56	31.95	34.50
Romania	3.01	2.19	2.06	2.72	4.56	4.13	4.45	5.01	5.63
Other									
China	NA	100.00	NA	NA	142.30	139.22	124.98	133.40	146.25
Cuba [a]	0.02	0.08	0.08	0.12	0.17	0.21	0.25	0.22	NA
Yugoslavia	3.27	2.38	2.96	2.39	2.72	2.44	2.77	2.64	2.59

[a] Data reflect government collections only; the total production is considerably higher.

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Table 161

Thousand Metric Tons

Sugar Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	3,637	4,871	5,327	5,955 [c]	5,435 [c]	5,313 [c]	5,789 [c]	5,418 [c]	5,215 [c]
Australia [d]	1,441	2,073	2,507	2,930	2,961	3,415	3,509	3,652	3,256
European Community	**7,630**	**7,840**	**8,770**	**10,400**	**13,200**	**13,000**	**16,000**	**14,700**	**11,632**
France	2,267	2,483	2,580	2,981	4,326	4,253	5,576	4,800	3,700
Italy	998	1,242	1,199	1,429	1,707	1,934	2,207	1,290	1,415
United Kingdom	860	967	925	724	1,255	1,202	1,187	1,544	1,250
West Germany	1,877	1,634	2,100	2,571	3,088	2,994	3,702	3,586	2,720
Other countries [d]									
Brazil	3,319	4,614	5,019	6,299	7,362	8,270	8,726	8,941	9,555
India	2,814	3,493	4,634	5,048	6,080	4,528	5,991	9,126	8,452
Mexico	1,530	2,120	2,402	2,636	3,095	2,719	2,642	2,739	2,750
Philippines	1,398	1,659	1,980	2,672	2,390	2,332	2,376	2,709	2,060
South Africa	952	1,014	1,649	1,968	2,143	1,780	1,987	2,371	1,584
Communist countries									
USSR and Eastern Europe [e]	**11,100**	**16,200**	**15,200**	**16,000**	**16,500**	**14,900**	**NA**	**NA**	**NA**
USSR	6,916	11,997	11,110	11,285	11,573	11,008	10,326	13,152	13,587
Eastern Europe	**4,170**	**4,170**	**4,140**	**4,730**	**5,080**	**4,940**	**3,910**	**NA**	**NA**
Bulgaria	186	342	403	343	416	215	NA	NA	NA
Czechoslovakia	958	874	951	913	1,020	841	671	768	NA
East Germany	739	618	587	793	855	750	891	NA	NA
Hungary [f]	381	428	280	308	498	468	490	459	479
Poland	1,484	1,505	1,509	1,857	1,582	1,128	1,685	1,620	1,729
Romania	425	402	410	516	571	509	609	596	NA
Other									
China [b]	NA	NA	NA	NA	2,500	2,570	3,166	3,384	3,771
Cuba [g]	5,942	6,156	8,538	6,314	7,992	6,665	7,359	8,207	7,224
Yugoslavia	243	363	385	571	801	709	791	683	772

[a] Unless otherwise indicated, data are for beet sugar produced in the calendar year. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 92 percent of raw sugar weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

[b] Including cane sugar.

[c] Including Puerto Rico.

[d] Cane sugar only.

[e] Including raw cane sugar imported for refining.

[f] White sugar equivalent.

[g] Raw cane sugar of 96° polarization. Data are for crop years ending 30 June of the stated year.

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Table 162

Thousand Metric Tons

Fish Catch [a]

	1960	1965	1970	1975	1979	1980	1981	1982
OECD								
United States	2,815	2,696	2,810	2,842	3,511	3,634	3,767	3,988
Canada	934	1,262	1,334	993	1,411	1,334	1,399	1,389
Iceland	593	1,199	734	995	1,645	1,515	1,442	789
Japan	6,207	6,929	8,825	9,895	9,945	10,426	10,671	10,775
Norway	1,543	2,312	2,906	2,484	2,658	2,409	2,552	2,500
Spain	970	1,355	1,532	1,512	1,205	1,265	1,256	1,351
European Community	**3,670**	**4,200**	**4,610**	**4,940**	**4,720**	**5,020**	**5,060**	**5,250**
Denmark	581	841	1,226	1,767	1,738	2,028	1,852	1,927
France	734	764	784	768	742	794	781	764
United Kingdom	924	1,047	1,076	954	891	832	868	902
West Germany	674	633	613	442	357	307	331	314
Other countries								
Chile	340	708	1,200	900	2,632	2,817	3,393	3,673
India	1,161	1,331	1,756	2,266	2,340	2,442	2,444	2,335
Indonesia	761	1,102	1,225	1,382	1,742	1,842	1,903	2,020
Peru	3,727	7,632	12,535	3,446	3,715	2,735	2,740	3,452
Philippines	466	686	1,031	1,443	1,475	1,557	1,687	1,788
Thailand	221	627	1,444	1,553	1,946	1,793	1,989	1,920
Communist countries								
USSR and Eastern Europe	**3,890**	**6,400**	**8,810**	**11,700**	**10,800**	**11,000**	**10,900**	**11,300**
USSR [b]	3,541	5,774	7,828	10,357	9,359	9,526	9,600	10,000
Eastern Europe	**349**	**624**	**978**	**1,350**	**1,400**	**1,440**	**1,330**	**1,300**
Bulgaria	8	17	84	151	136	164	144	140
Czechoslovakia	9	11	13	17	17	16	17	17
East Germany	114	229	320	330	227	244	279	270
Hungary	15	20	26	31	33	34	39	42
Poland	187	301	473	679	803	791	642	582
Romania	16	46	62	139	182	189	209	244
Other								
Cuba	31	40	106	143	154	186	165	195
Yugoslavia	31	42	46	57	56	58	72	67

[a] Unless otherwise indicated, data are in terms of live weight for all species of fish and seaweed, crustaceans, and mollusks, but exclude aquatic mammals.

[b] Including aquatic mammals.

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Table 163

Million Head

Cattle Numbers [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	96.24	109.00	112.37	132.03	110.86	111.19	114.32	115.60	115.20
Australia	16.50	18.82	22.16	32.79	27.11	26.20	25.17	24.55	22.47
Canada	10.39	12.13	11.63	14.01	12.33	12.12	12.17	12.09	11.62
New Zealand	5.99	6.80	8.78	9.65	8.02	8.02	8.13	8.04	7.91
Turkey [b]	14.30	14.41	14.37	14.41	15.96	16.61	16.92	16.98	17.10
European Community	**66.7**	**69.2**	**73.9**	**80.6**	**78.8**	**78.0**	**78.3**	**77.9**	**78.8**
France	18.74	20.24	21.72	24.33	23.51	23.55	23.60	23.49	23.66
Italy [b]	9.40	9.23	9.61	8.24	8.72	8.81	8.84	8.90	9.13
United Kingdom	11.48	11.69	12.30	14.84	13.49	13.32	13.06	12.96	13.16
West Germany	12.48	13.05	14.29	14.43	15.01	15.05	15.07	15.00	15.10
Other countries									
Argentina	43.52	46.79	52.26	58.70	60.17	58.94	58.81	57.95	58.00
Brazil [b]	72.89	84.25	78.45	91.00	90.00	91.00	93.00	93.00	93.00
Colombia	15.00	17.00	20.20	23.22	26.16	24.23	24.40	24.23	24.20
Ethiopia	22.45	25.42	26.23	25.88	25.90	26.00	26.10	26.20	26.30
Mexico	17.41	21.08	24.88	28.40	33.54	33.00	34.00	34.70	33.87
South Africa	12.30	12.44	10.13	12.33	13.32	13.58	13.20	13.36	13.09
Communist countries									
USSR and Eastern Europe	**99.4**	**114**	**124**	**142**	**147**	**148**	**147**	**148**	**149**
USSR	74.23	87.17	95.16	109.12	114.07	115.06	115.06	115.90	117.20
Eastern Europe	**25.2**	**27.2**	**28.5**	**32.5**	**32.8**	**32.9**	**32.3**	**32.4**	**31.8**
Bulgaria	1.28	1.47	1.26	1.55	1.76	1.79	1.80	1.81	1.78
Czechoslovakia	4.30	4.44	4.22	4.57	4.89	4.92	5.00	5.10	5.13
East Germany	4.46	4.68	5.19	5.58	5.57	5.60	5.72	5.75	5.68
Hungary	2.00	1.94	1.93	2.02	1.97	1.95	1.92	1.95	1.92
Poland	8.70	9.95	10.84	12.82	12.05	12.16	11.34	11.47	11.02
Romania	4.45	4.76	5.04	5.98	6.51	6.51	6.49	6.30	6.25
Other									
China [c]	79.12	79.43	92.28	97.53	93.89	94.59	95.25	97.64	101.13
Yugoslavia	5.30	5.16	5.03	5.81	5.49	5.44	5.47	5.35	5.29

[a] Unless otherwise indicated, data are as of the beginning of the year.

[b] Including buffalo.

[c] Cattle, buffalo, oxen, horses, and camels.

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Table 164

Million Head

Hog Numbers [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	59.03	56.11	57.05	54.69	60.36	67.35	64.51	58.69	53.94
Canada	6.05	5.60	6.56	5.90	8.01	9.69	10.19	10.04	10.07
Japan	1.92	3.98	6.34	7.68	9.49	10.00	10.06	10.04	10.27
Spain	6.03	4.02	6.92	7.86	10.53	11.26	11.26	11.65	13.26
European Community	**45.6**	**56.0**	**65.8**	**70.4**	**76.7**	**77.1**	**78.1**	**78.6**	**79.2**
Denmark	6.20	8.20	8.35	8.05	9.22	9.53	9.70	9.78	9.50
France	8.36	9.04	10.46	12.03	11.34	11.44	11.66	11.80	11.67
Italy	4.15	5.41	9.22	8.81	8.92	8.81	8.93	9.02	9.13
Netherlands	2.82	3.69	5.47	7.14	9.37	9.75	10.09	10.19	10.59
United Kingdom	6.01	7.94	8.13	8.84	7.96	7.79	7.77	7.91	8.21
West Germany	14.87	18.15	19.32	20.23	22.64	22.37	22.55	22.31	22.48
Other countries									
Brazil	46.82	58.70	35.60	35.20	36.00	36.50	35.00	33.50	33.50
Mexico	6.08	8.53	10.30	11.70	16.20	12.80	15.40	16.50	15.00
Philippines	6.57	6.94	6.46	6.60	7.44	7.93	7.56	7.59	7.98
Communist countries									
USSR and Eastern Europe	**92.6**	**97.2**	**97.9**	**132**	**136**	**138**	**137**	**137**	**139**
USSR	53.37	52.84	56.06	72.27	73.48	73.90	73.38	73.30	76.70
Eastern Europe	**39.2**	**44.4**	**41.9**	**60.2**	**62.6**	**63.8**	**63.2**	**63.8**	**62.3**
Bulgaria	2.27	2.61	1.97	3.42	3.77	3.83	3.81	3.84	3.81
Czechoslovakia	5.69	6.14	5.53	6.72	7.60	7.51	7.89	7.30	7.13
East Germany [b]	8.28	8.76	9.24	11.52	11.73	12.13	12.87	12.87	12.11
Hungary	6.07	7.04	5.70	8.29	8.01	8.37	8.33	8.30	9.04
Poland	12.62	13.78	13.45	21.71	21.11	20.98	18.73	19.08	17.56
Romania	4.30	6.03	5.97	8.57	10.34	10.89	11.54	12.46	12.64
Other									
China	120.04	152.47	172.51	260.78	301.29	319.71	305.43	293.70	300.78
Cuba [c]	NA	1.75	0.26	0.60	0.81	0.72	0.79	0.80	NA
Yugoslavia	6.21	6.99	5.54	7.68	7.75	7.50	7.87	8.37	8.32

[a] Unless otherwise indicated, data are as of the beginning of the year.

[b] As of 30 November of the previous year.

[c] State sector only.

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Table 165

Thousand Metric Tons

Meat Production [a]

	1960	1965	1970	1975	1979	1980	1981 [b]	1982 [b]	1983 [b]
OECD									
United States	12,808	14,306	22,548	22,986	23,491	24,216	24,689	24,091	24,994
Australia	1,360	1,668	2,166	2,469	3,067	2,769	2,583	2,586	2,592
Canada	1,100	1,340	2,053	2,156	2,302	2,445	2,395	2,403	2,427
Japan	318 [c]	589 [c]	1,398	2,072	2,922	3,002	2,992	3,114	3,180
Spain	554 [c]	599 [c]	1,255	1,853	2,209	2,312	2,464	2,530	2,633
European Community	**10,300**	**11,600**	**16,400**	**18,600**	**20,800**	**22,000**	**22,200**	**22,200**	**22,500**
France	2,646 [c]	2,836 [c]	3,814	4,357	4,886	5,011	5,188	5,215	5,241
Italy	1,011 [c]	1,083 [c]	2,054	2,360	2,883	2,965	3,301	3,326	3,369
Netherlands	674 [c]	772 [c]	1,396	1,747	2,046	2,139	2,057	2,063	2,066
United Kingdom	1,719	2,018	2,604	2,852	2,983	3,073	2,998	3,032	3,182
West Germany	2,694 [c]	3,074 [c]	3,749	3,956	4,493	5,114	5,094	5,007	5,063
Other countries									
Argentina	2,277 [c]	2,445 [c]	3,188	3,103	3,844	3,640	3,775	3,379	3,119
Brazil	1,767 [c]	2,039 [c]	3,015	3,569	4,158	4,472	4,563	4,923	5,088
Mexico	586 [c]	750 [c]	1,024	1,260	1,435	1,638	1,619	1,632	1,575
Communist countries									
USSR and Eastern Europe [d]	**13,900**	**16,100**	**19,200**	**24,600**	**25,900**	**25,900**	**25,500**	**25,500**	NA
USSR	8,682	9,956	12,278	14,968	15,300	15,073	15,240	15,362	16,000
Eastern Europe	**5,260**	**6,170**	**6,920**	**9,660**	**10,600**	**10,800**	**10,300**	**10,200**	NA
Bulgaria	307	464	476	657	782	781	794	807	846
Czechoslovakia	802	978	1,098	1,349	1,467	1,654	1,634	1,711	1,759
East Germany	1,021	1,126	1,271	1,837	1,824	1,899	1,935	1,832	1,835
Hungary	816	929	1,040	1,422	1,521	1,566	1,577	1,661	1,779
Poland	1,751	2,012	2,182	3,062	3,265	3,148	2,561	2,571	2,407
Romania	561	657	857	1,328	1,760	1,769	1,786	1,602	NA
Other									
China [e]	NA	5,510	5,965	7,970	10,624	12,054	12,609	13,508	14,021
Cuba [f]	NA	NA	112	105	142	149	170	185	NA
Yugoslavia [d]	824	972	1,059	1,340	1,529	1,486	1,519	1,387	1,417

[a] Data are on a carcass weight, bone-in basis, and are for beef, veal, buffalo, pork, mutton, lamb, goat, and poultry where they are produced. Unless otherwise indicated, data exclude horsemeat, rabbit, game, edible offal, and lard.

[b] Non-Communist country data include meat from animals imported for slaughter.

[c] Including horsemeat.

[d] Data are on a slaughter weight, bone-in basis, and include horsemeat, rabbit, game, edible offal, and slaughter fats in addition to the meats listed in footnote a above. Slaughter weight is roughly 3 percent less than carcass weight because it excludes kidney and leaf fat. As a result of this broader coverage, the meat producton data for the USSR and Eastern Europe are above the level attained if the coverage was limited to that shown for other countries.

[e] Data are for pork, beef, and mutton.

[f] Data are for deboned beef, pig bellies, and fresh poultry for state production only.

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Table 166

Thousand Metric Tons

Milk Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	53,702	56,324	53,268	52,314	55,978	58,298	60,334	61,599	63,488
Australia	6,355	6,969	7,712	6,677	5,804	5,562	5,324	5,410	5,675
Canada	8,385	8,328	8,272	7,751	7,552	7,855	8,005	8,258	8,053
Japan	1,887	3,221	4,760	4,963	6,465	6,505	6,620	6,750	7,036
New Zealand	5,318	6,232	5,907	6,142	6,486	6,833	6,677	6,775	6,893
European Community	**83,900**	**89,000**	**91,700**	**98,600**	**103,000**	**104,000**	**105,000**	**108,000**	**112,000**
Denmark	5,399	5,367	4,630	4,918	5,225	5,117	5,037	5,217	5,427
France	22,652	26,771	27,245	29,686	26,549	26,859	26,795	27,358	27,905
Italy	9,648	9,184	8,936	9,385	10,526	10,749	10,637	10,800	11,125
Netherlands	6,838	7,142	8,239	10,221	11,587	11,785	12,147	12,708	13,090
United Kingdom	12,670	11,386	12,374	13,934	15,915	15,958	15,857	16,745	17,415
West Germany	19,250	21,253	21,856	21,604	23,907	24,778	24,858	25,465	27,000
Other countries									
Argentina	4,530	4,667	4,196	5,650	5,344	5,301	5,274	5,781	5,500
Brazil	5,045	6,194	7,722	9,970	10,100	10,265	10,500	10,100	10,700
India	NA	NA	7,630	9,750	12,500	13,500	14,000	14,700	15,200
Mexico	2,473	4,121	3,053	4,980	6,642	6,742	6,856	6,924	6,500
Spain	NA	3,993	4,456	5,138	5,661	5,871	5,881	5,947	6,050
Communist countries									
USSR and Eastern Europe	**88,500**	**101,000**	**116,000**	**127,000**	**133,000**	**130,000**	**127,000**	**128,000**	NA
USSR [b]	61,718	72,563	83,016	90,804	93,200	90,899	88,874	91,044	96,400
Eastern Europe	**26,800**	**28,500**	**32,500**	**36,700**	**39,400**	**39,200**	**38,100**	**36,600**	NA
Bulgaria	745	1,000	1,252	1,436	1,804	1,830	1,890	1,984	2,062
Czechoslovakia	3,830	3,924	4,795	5,463	5,663	5,909	5,929	5,929	6,557
East Germany [c]	5,730	6,371	7,091	8,095	8,198	8,321	8,220	7,678	8,208
Hungary	1,619	1,510	1,682	1,822	2,457	2,537	2,717	2,760	2,826
Poland	12,501	13,345	14,950	16,377	16,959	16,499	15,292	15,191	15,990
Romania [d]	2,358	2,304	2,755	3,458	4,365	4,148	3,601	3,100	NA
Other									
Cuba [e]	NA	NA	475	611	654	702	712	695	NA
Yugoslavia	2,283	2,303	2,567	3,654	4,286	4,342	4,349	4,450	4,550

[a] Whole milk from cows, unless otherwise indicated.
[b] Including milk from sheep, goats, camels, and mares.
[c] In terms of 3.5 percent butterfat content.
[d] Including milk from buffaloes.
[e] State production of pasteurized and raw milk.

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Table 167

Thousand Metric Tons

Wool Production [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	146.20	109.30	85.02	54.22	47.56	47.79	49.75	47.61	49.13
Australia	737.20	754.23	923.40	793.48	704.26	708.51	701.15	717.21	704.00
New Zealand	266.50	315.16	333.80	294.10	320.60	357.00	380.70	363.00	371.00
Turkey	43.50	43.00	47.15	52.32	59.26	61.28	62.31	62.08	64.00
Spain	35.10	36.40	33.81	22.15	22.17	21.29	20.99	22.88	23.00
European Community	**127**	**125**	**101**	**102**	**107**	**110**	**109**	**111**	**114**
France	29.53	25.40	20.35	15.70	22.20	22.20	22.20	22.20	22.50
United Kingdom	54.98	58.65	46.30	49.30	48.07	51.80	50.10	49.80	52.50
Other countries									
Afghanistan	NA	NA	27.00	25.00	23.00	23.00	23.00	23.77	23.77
Argentina	221.10	220.60	170.00	160.00	155.00	152.16	150.16	151.94	155.00
Brazil	24.10	35.47	31.71	29.10	30.56	32.25	32.64	30.00	30.00
Chile	23.90	25.49	25.50	18.80	19.60	20.60	21.40	22.00	22.00
India	34.11	35.02	36.00	31.00	34.00	35.00	36.00	37.00	37.00
Pakistan	14.70	17.00	19.50	28.33	39.26	42.60	38.90	40.70	42.70
South Africa [b]	143.80	159.30	145.60	108.20	101.90	102.90	100.80	106.30	107.30
Uruguay	82.50	84.00	79.65	60.77	63.39	67.28	74.60	78.38	82.00
Communist countries									
USSR and Eastern Europe	**427**	**436**	**507**	**546**	**573**	**556**	**570**	**568**	NA
USSR [c]	356.80	356.90	418.90	449.60	460.00	443.00	459.60	452.10	454.00
Eastern Europe	**70.5**	**78.9**	**88.1**	**96.7**	**113**	**113**	**110**	**116**	NA
Bulgaria	21.04	25.80	28.81	34.01	35.11	35.09	34.96	34.89	35.48
Czechoslovakia [d]	2.50	2.03	3.99	3.60	4.10	4.20	4.48	4.50	NA
East Germany	7.90	8.10	6.90	9.70	11.30	11.50	11.70	13.00	NA
Hungary	8.20	10.06	9.78	8.39	11.42	12.14	12.16	12.76	13.03
Poland	9.04	7.50	8.94	9.45	13.58	12.73	11.22	12.50	12.60
Romania	21.85	25.41	29.72	31.53	37.32	37.38	35.96	38.60	37.00
Other									
Yugoslavia	13.55	12.56	11.95	10.66	9.99	10.07	10.12	9.74	10.00

[a] Raw wool (grease basis) from sheep, which includes both shorn and pulled wool together with the wool element of "wooled sheepskins."

[b] Including data for Lesotho and Namibia.

[c] Physical weight.

[d] Purchases.

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Table 168

Thousand Metric Tons

Ginned Cotton Production

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	3,107	3,260	2,219	1,808	3,185	2,422	3,405	2,605	1,682
Australia	NA	NA	19	25	83	99	135	101	146
Greece	63	75	110	130	101	117	120	100	135
Turkey	169	325	400	480	477	499	489	488	520
Other countries									
Argentina	124	104	85	140	145	84	152	113	200
Brazil	425	542	594	390	572	622	680	647	512
Colombia	70	65	117	121	125	116	88	33	69
Egypt	478	521	509	382	484	529	499	461	408
Guatemala	21	90	57	102	149	125	82	46	50
India	1,008	997	954	1,160	1,366	1,326	1,409	1,376	1,332
Iran	99	152	154	139	100	63	74	93	93
Mexico	457	567	312	197	328	353	314	183	219
Nicaragua	33	111	78	109	22	77	65	79	78
Pakistan	304	417	542	514	728	715	749	822	468
Sudan	114	164	245	108	114	96	154	206	204
Syria	111	180	150	158	128	118	130	158	198
Communist countries									
USSR and Eastern Europe	**1,480**	**1,930**	**2,360**	**2,540**	**2,860**	**3,040**	**2,900**	**2,750**	NA
USSR	1,458	1,914	2,343	2,524	2,858	3,038	2,891	2,744	2,700
Eastern Europe [a]	**23**	**16**	**18**	**12**	**6**	**6**	**4**	**7**	NA
Bulgaria	23	16	18	11	6	6	4	7	NA
Romania	NA	NA	NA	1	NEGL	NEGL	NEGL	NEGL	NEGL
Other									
China	1,063	2,098	2,277	2,381	2,207	2,707	2,968	3,598	4,637
Yugoslavia [a]	2	2	4	2	1	NEGL	NEGL	1	2

[a] Data are for the crop year beginning 1 August of the stated year.

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Table 169

Kilograms per Hectare of Arable Land [a]

Mineral Fertilizer Consumption, Nutrient Content [b]

	1960	1965	1970	1975	1979	1980	1981	1982
OECD								
United States	38.9	63.0	80.9	90.0	109.9	111.6	102.4	87.0
Australia	21.2	29.2	22.2	15.9	29.1	27.7	27.9	25.4
Canada	8.6	16.3	18.5	29.8	41.2	43.2	41.9	43.5
Japan	NA	332.2	372.6	319.3	477.7	372.1	387.2	410.1
Spain	31.6	38.0	59.3	69.3	82.1	81.0	67.2	72.4
Turkey	1.5	5.7	15.7	29.8	51.0	41.2	45.4	49.0
European Community								
Belgium-Luxembourg	NA	NA	564.8	540.4	525.1	499.0	490.2	495.8
Denmark	151.1	182.3	223.4	239.4	262.7	236.4	233.0	246.2
France	102.4	150.9	243.5	246.7	312.0	300.8	298.4	298.5
Ireland	124.8	172.1	365.0	410.7	606.2	618.2	609.4	643.9
Italy	51.5	70.7	89.6	121.0	189.2	170.1	163.3	159.1
Netherlands	456.1	580.8	749.3	750.7	805.0	788.8	767.4	735.5
United Kingdom	183.3	206.5	259.9	262.9	323.5	293.6	329.6	364.6
West Germany	266.2	348.8	399.6	385.5	478.5	471.4	418.4	433.8
Other countries								
Brazil	NA	8.2	28.3	52.3	51.7	67.8	37.5	37.2
India	2.3	4.7	13.2	16.5	29.6	30.9	33.8	34.6
Egypt	NA	126.4	113.2	175.1	212.1	232.4	247.5	288.7
Argentina	NA	2.1	2.6	1.6	3.7	3.2	2.7	3.2
South Africa	NA	30.2	38.6	52.1	69.6	77.9	90.4	83.1
Israel	NA	100.5	140.1	170.7	188.5	198.7	199.6	198.3

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Table 169 (continued)

Kilograms per Hectare of Arable Land [a]

Mineral Fertilizer Consumption, Nutrient Content

	1960	1965	1970	1975	1979	1980	1981	1982
Communist countries								
USSR and Eastern Europe								
USSR [c d]	11.2	26.5	44.3	74.3	74.7	80.7	82.5	86.5
Eastern Europe								
Bulgaria	33.8	79.1	141.1	156.5	192.6	198.4	250.6	249.2
Czechoslovakia [e]	91.4	166.3	240.4	314.7	334.7	334.7	332.7	337.0
East Germany	197.4	262.2	310.7	361.5	325.1	325.2	344.2	280.8
Hungary	29.5	63.3	149.7	276.3	280.5	262.4	279.3	287.6
Poland	49.0	83.1	167.8	242.4	243.4	235.6	248.1	234.5
Romania	8.1	25.4	56.5	114.0	136.5	116.5	154.1	159.5
Other								
Albania	NA	15.3	78.8	100.6	137.8	124.9	111.4	150.4
China [e]	4.6	13.7	27.5	44.7	109.2	127.8	144.9	159.0
North Korea	NA	81.5	165.0	NA	NA	NA	NA	NA
Yugoslavia	27.9	54.8	77.0	89.6	110.2	104.5	128.4	119.5

[a] Including land under temporary crops, gardens, fallow or idle land, and permanent crops such as orchards and vineyards, unless otherwise indicated.
[b] Data are "fertilizer years"—in general, the year beginning 1 July.
[c] Including phosphate rock; excluding livestock phosphates. Data indicate the quantity supplied to agriculture.
[d] Arable land is total area less pasture and hayland.
[e] Sown area is used because of extensive multiple cropping.

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Table 170

Thousand Metric Tons of N

Nitrogen Fertilizer Consumption, Nutrient Content [a]

	1960	1965	1970	1975	1979	1980	1981	1982
OECD								
United States	2,749	4,832	7,379	9,445	10,348	10,817	9,964	8,342
Canada	91	218	292	556	831	914	966	1,018
Japan	753	787	872	653	777	614	643	687
Spain	275	385	578	722	908	902	818	799
Turkey	25	72	243	482	686	807	799	863
European Community	**2,520**	**3,720**	**5,140**	**6,110**	**7,710**	**7,600**	**7,590**	**7,940**
France	565	871	1,453	1,708	2,135	2,146	2,193	2,196
Italy	323	462	594	724	1,107	1,006	988	968
United Kingdom	463	690	801	1,045	1,314	1,240	1,386	1,560
West Germany	618	874	1,131	1,228	1,477	1,551	1,323	1,465
Other countries								
India	296	541	1,487	1,909	3,444	3,522	3,882	4,043
Mexico	155	264	438	732	826	904	1,112	1,255
Pakistan	NA	69	252	444	776	844	833	959
Communist countries								
USSR and Eastern Europe [b]	**1,600**	**3,910**	**7,520**	**11,400**	**11,900**	**12,700**	**12,900**	**13,600**
USSR	769	2,282	4,605	7,339	7,467	8,262	8,383	9,038
Eastern Europe	**832**	**1,630**	**2,920**	**4,060**	**4,470**	**4,400**	**4,540**	**4,560**
Bulgaria	101	219	379	380	421	450	518	536
Czechoslovakia	143	263	413	532	630	675	615	646
East Germany	235	414	511	678	748	752	750	607
Hungary	75	180	391	536	570	537	563	647
Poland	251	387	785	1,143	1,312	1,344	1,213	1,239
Romania	27	165	438	788	786	646	882	880
Other								
Albania	5	2	27	36	71	68	72	73
China	614	1,830	3,923	6,116	9,273	NA	NA	NA
North Korea	NA	115	270	414	NA	NA	NA	NA
Yugoslavia	109	166	294	360	440	417	477	463

[a] Data are "fertilizer years"—in general, the year beginning 1 July.

[b] Data indicate the quantity supplied to agriculture.

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Thousand Metric Tons of P_2O_5

Table 171

Phosphate Fertilizer Consumption, Nutrient Content [a]

	1960	1965	1970	1975	1979	1980	1981	1982
OECD [a]								
United States	2,488	3,522	4,358	4,742	4,927	4,930	4,367	3,776
Australia	572	954	743	490	908	853	823	721
Canada	169	334	326	503	626	634	636	652
Japan	491	548	656	623	831	690	701	721
New Zealand	225	342	321	386	416	338	326	330
Spain	279	306	432	422	482	476	340	422
Turkey	12	69	176	389	589	619	544	565
European Community	**2,800**	**3,540**	**4,470**	**3,950**	**4,840**	**4,360**	**4,170**	**4,100**
France	877	1,259	1,809	1,664	1,984	1,773	1,677	1,631
Italy	379	453	518	490	831	748	706	657
United Kingdom	426	422	543	391	460	404	445	464
West Germany	652	819	913	780	913	837	753	740
Other countries								
Brazil	77	87	377	1,014	1,685	1,988	1,319	1,210
India	56	134	462	374	1,015	1,091	1,172	1,201
Communist countries								
USSR and Eastern Europe	**1,800**	**3,380**	**5,150**	**7,530**	**8,640**	**8,520**	**8,920**	**9,020**
USSR [b] [c]	1,088	2,091	3,133	4,728	5,480	5,590	5,879	6,115
Eastern Europe [c]	**716**	**1,290**	**2,020**	**2,800**	**3,160**	**2,930**	**3,040**	**2,900**
Bulgaria	50	132	235	250	341	291	409	361
Czechoslovakia	150	268	325	456	491	495	494	479
East Germany	218	313	410	441	416	389	374	304
Hungary	66	125	217	429	430	390	398	392
Poland	180	324	595	887	968	885	817	824
Romania	52	127	235	338	519	476	551	545
Other								
Albania	2	5	18	25	23	17	6	29
China [b]	99	307	330	693	1,833	NA	NA	NA
North Korea	NA	43	50	161	NA	NA	NA	NA
Yugoslavia	71	151	182	197	220	209	268	235

[a] Data are "fertilizer years"—in general, the year beginning 1 July.

[b] Data are for soluble phosphate fertilizers and for ground phosphate rock used for direct application.

[c] Data indicate the quantity supplied to agriculture.

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Table 172

Thousand Metric Tons of K_2O

Potassium Fertilizer Consumption, Nutrient Content [a]

	1960	1965	1970	1975	1979	1980	1981	1982
OECD								
United States	1,967	2,922	3,839	4,726	5,665	5,733	5,108	4,402
Japan	600	613	610	525	736	512	535	582
Spain	95	92	206	258	294	284	219	264
European Community	**2,860**	**3,350**	**4,010**	**3,670**	**4,540**	**4,220**	**4,190**	**4,310**
France	750	970	1,389	1,314	1,786	1,689	1,700	1,744
Italy	104	168	225	276	417	357	363	379
United Kingdom	450	436	535	384	461	410	470	521
West Germany	1,006	1,190	1,185	1,099	1,206	1,144	1,055	1,042
Other countries								
Brazil	107	100	306	558	1,103	1,307	767	876
India	28	90	228	227	546	618	670	622
Communist countries								
USSR and Eastern Europe	**1,830**	**3,310**	**5,000**	**8,680**	**7,550**	**7,890**	**8,260**	**8,080**
USSR [b]	766	1,891	2,574	5,176	4,411	4,904	4,905	4,991
Eastern Europe	**1,060**	**1,420**	**2,420**	**3,510**	**3,140**	**2,990**	**3,350**	**3,090**
Bulgaria	6	10	25	50	58	89	117	141
Czechoslovakia	217	363	489	696	624	560	611	617
East Germany	497	586	614	707	475	496	602	497
Hungary	27	53	229	553	501	472	524	490
Poland	313	396	1,036	1,431	1,354	1,270	1,315	1,099
Romania	3	12	28	71	126	101	185	250
Other								
Albania	1	1	2	2	5	4	3	8
China	0	5	12	112	176	NA	NA	NA
Yugoslavia	103	138	156	163	210	198	265	242

[a] Data are "fertilizer years"—in general, the year beginning 1 July.
[b] Data indicate the quantity supplied to agriculture.

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Kilograms per Hectare

Table 173

Grain Yields

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Developed countries									
United States	2,467	3,043	3,157	3,461	4,433	3,774	4,278	4,409	3,579
Australia	1,299	974	1,219	1,414	1,510	1,052	1,410	869	1,434
Canada	1,495	1,730	2,106	2,051	2,032	2,167	2,348	2,474	2,202
Japan	4,115	4,398	5,123	5,932	5,704	4,841	5,208	5,309	5,703
South Africa	1,011	916	1,132	1,473	1,445	1,557	2,388	1,474	882
European Community	**2,555**	**2,960**	**3,216**	**3,643**	**4,059**	**4,397**	**3,928**	**4,201**	**3,914**
France	2,524	3,107	3,380	3,694	4,513	4,852	4,614	5,015	4,696
Italy	1,828	2,399	2,755	3,347	3,435	3,521	3,668	3,564	3,453
United Kingdom	3,132	3,751	3,569	3,812	4,496	4,944	4,928	5,437	5,365
West Germany	3,189	2,820	3,337	4,016	4,370	4,429	4,450	4,858	4,484
Other countries									
Argentina	1,336	1,403	1,775	1,956	2,264	1,871	2,422	2,443	2,301
Bangladesh	[a]	1,674	1,673	1,832	1,918	2,006	1,940	1,990	2,060
Brazil	1,340	1,428	1,409	1,380	1,301	1,576	1,617	1,547	1,610
Burma	1,563	1,573	1,605	1,700	2,222	2,586	2,773	2,997	2,902
Egypt	NA	3,776	3,912	3,978	3,974	4,135	4,118	4,214	4,253
India	934	865	1,135	1,261	1,222	1,350	1,403	1,303	1,476
Indonesia	1,542	1,560	1,989	2,306	2,621	2,865	3,021	3,365	3,382
Mexico	1,020	1,295	1,518	1,670	1,916	2,157	2,258	2,489	2,136
Pakistan	1,247 [a]	887	1,230	1,391	1,540	1,610	1,670	1,645	1,767
Philippines	937	1,045	1,334	1,321	1,563	1,583	1,663	1,738	1,699
Thailand	1,398	1,785	2,038	1,894	1,859	1,931	1,983	1,857	2,052
Zimbabwe	NA	1,344	1,232	1,836	1,194	1,166	1,697	983	680
Communist countries									
USSR and Eastern Europe	**1,242**	**1,144**	**1,691**	**1,413**	**1,717**	**1,802**	**1,623**	**1,829**	**1,897**
USSR	1,117	944	1,569	1,103	1,441	1,499	1,288	1,459	1,591
Eastern Europe	**1,796**	**2,086**	**2,252**	**2,921**	**3,070**	**3,293**	**3,252**	**3,573**	**3,390**
Hungary	1,997	2,323	2,544	3,896	4,140	4,808	4,625	5,023	4,736
Poland	1,613	1,900	1,946	2,487	2,203	2,337	2,494	2,594	2,696
Romania	1,389	1,862	1,802	2,445	3,060	3,123	3,076	3,459	2,986
Other									
China	2,698	1,615	1,769	2,074	3,040	2,947	3,091	3,444	3,655
Vietnam	NA	1,954 [b]	2,095 [b]	2,213	1,915	2,085	2,166	2,501	2,439
Yugoslavia	1,962	2,060	2,374	3,184	3,590	3,633	3,578	4,019	3,930

[a] Bangladesh was a part of Pakistan.

[b] Including North Vietnam and South Vietnam.

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Table 174

Billion Metric Ton-Kilometers

Railroad Freight [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	868.5	1,052.7	1,141.0	1,122.7	1,350.0	1,350.0	1,340.0	1,172.0	1,214.0
Canada	95.5	127.1	158.0	197.2	221.9	228.1	231.4	200.8	215.2
Japan	53.4	57.3	63.4	47.1	42.9	39.6	34.8	31.3	28.8
European Community	**168**	**176**	**202**	**168**	**190**	**186**	**175**	**164**	**159**
France	56.9	64.6	70.4	64.0	70.7	69.5	64.4	61.2	59.0
Italy [c]	15.9	15.3	18.0	14.9	17.7	18.4	17.1	16.9	14.9
United Kingdom [d]	30.5	25.2	26.8	20.9	19.9	17.6	17.5	15.9	17.3
West Germany	52.3	57.1	71.3	55.1	66.2	65.3	62.0	57.3	55.6
Other countries									
India [e] [f]	87.8	116.8	127.4	148.2	153.7	157.1	171.3	174.4	176.4
South Africa [e] [g]	30.8	42.7	57.2	61.9	84.1	96.5	101.3	82.0	69.8
Communist countries									
USSR and Eastern Europe	**1,690**	**2,180**	**2,770**	**3,580**	**3,720**	**3,810**	**3,850**	**NA**	**NA**
USSR	1,504.3	1,950.2	2,494.7	3,236.5	3,349.3	3,439.9	3,503.2	3,464.5	3,600.0
Eastern Europe	**183**	**230**	**278**	**347**	**374**	**375**	**350**	**NA**	**NA**
Bulgaria	7.0	10.8	13.9	17.3	17.7	17.7	18.1	18.3	18.1
Czechoslovakia	43.9	53.2	55.9	62.7	66.0	66.2	66.5	NA	NA
East Germany	32.9	38.9	41.5	49.7	54.4	56.4	55.8	54.0	NA
Hungary	13.3	17.3	19.8	23.5	24.7	24.4	24.3	23.3	23.1
Poland	66.5	81.0	99.3	129.2	135.4	134.7	109.8	112.7	118.1
Romania	19.8	31.0	48.0	64.8	76.0	75.5	75.3	71.1	NA
Other									
China	276.7	269.8	349.6	425.6	559.8	571.7	571.2	612.0	664.6
North Korea	9.1	10.5	14.3	24.3	NA	NA	NA	NA	NA

[a] Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States include express and mail and are specifically for revenue and nonrevenue freight traffic for a more realistic comparison with Soviet methods of reporting.

[b] Including secondary or private railroads operating as common carriers.

[c] Excluding livestock.

[d] Excluding data for Northern Ireland.

[e] Including mail and passenger baggage. Data are for the year beginning 1 April of the stated year.

[f] Including service traffic.

[g] Including Namibia.

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Million Metric Tons Carried

Table 175

Railroad Freight [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	1,180.5	1,341.7	1,426.3	1,368.5	1,637.3	1,645.0	1,630.0	1,426.0	1,477.0
Canada [b]	161.2	204.4	211.2	252.4	270.0	276.0	280.0	243.0	260.0
European Community									
France	227.0	238.7	260.0	228.0	233.0	229.0	212.0	202.0	195.0
United Kingdom [c]	253.1	232.2	209.0	176.0	169.0	150.0	149.0	135.0	147.0
West Germany [b] [d]	429.2	423.1	392.6	328.7	371.9	367.0	349.0	322.0	313.0
Communist countries									
USSR and Eastern Europe	**2,820**	**3,520**	**4,140**	**5,080**	**5,240**	**5,290**	**5,250**	**5,220**	NA
USSR	1,884.9	2,415.3	2,896.0	3,621.1	3,687.8	3,728.0	3,762.0	3,725.0	3,851.0
Eastern Europe	**931**	**1,110**	**1,240**	**1,460**	**1,550**	**1,560**	**1,490**	**1,490**	NA
Bulgaria	38.4	56.0	68.2	78.8	77.7	77.8	81.5	83.9	82.6
Czechoslovakia	194.1	218.5	236.9	271.4	283.0	286.0	286.6	288.9	292.1
East Germany	237.8	260.4	262.9	289.0	302.5	311.6	315.2	322.5	NA
Hungary [e]	96.0	114.8	117.4	131.7	134.1	129.8	131.0	127.0	124.0
Poland	286.9	341.3	382.3	464.2	480.0	482.1	401.5	402.1	414.5
Romania	77.5	114.4	171.3	228.3	272.9	274.6	273.9	270.5	NA
Other									
China	NA	491.0	681.3	889.6	1,118.9	1,112.8	1,076.7	1,135.3	1,161.0
Cuba	NA	10.0	11.7	10.9	13.5	14.1	16.5	18.2	NA
North Korea	38.5	52.0	68.0	106.4	NA	NA	NA	NA	NA

[a] Excluding urban systems; plantation, forest, mine, industrial plant, underground, funicular, and cable railroads; and short lines of little importance. Unless otherwise indicated, data are for the state or principal railroad system and include all goods and livestock carried during the calendar year and exclude service traffic, mail, and nonrevenue government stores. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the United States are in tons originated, thus giving a more realistic comparison with European methods of reporting.

[b] Including secondary or private railroads operating as common carriers.

[c] Including data for Northern Ireland.

[d] Including service traffic.

[e] Including performance of railroads owned jointly by Hungary and Austria within Hungary.

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Table 176

Billion Metric Ton-Kilometers

Motor Vehicle Freight

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [a]	323.85	589.27	675.85	744.75	997.38	910.43	877.63	861.22	903.87
Japan	20.80	48.39	135.92	129.70	172.89	178.90	181.31	187.72	191.77
Communist countries [b]									
USSR and Eastern Europe	**119**	**175**	**278**	**433**	**534**	**557**	**578**	**569**	NA
USSR	98.52	143.08	220.83	337.93	409.60	432.10	459.90	464.00	476.00
Eastern Europe	**20.0**	**31.6**	**57.0**	**94.7**	**124**	**125**	**118**	**105**	NA
Bulgaria	2.04	3.82	7.90	12.39	15.60	15.89	17.11	16.53	16.00
Czechoslovakia	5.11	6.98	10.09	15.02	20.08	20.57	21.72	20.96	NA
East Germany	5.00	7.21	12.23	16.69	21.57	21.02	19.92	16.24	NA
Hungary	NA	2.73	5.82	8.73	11.70	11.22	11.50	6.20	5.90
Poland	5.69	8.38	15.76	32.60	43.87	44.55	36.08	34.00	35.27
Romania	0.94	2.53	5.16	9.29	11.48	11.76	11.79	11.15	11.70
Other									
China	13.20	9.50	13.80	20.30	74.50 [c]	76.40 [c]	78.00 [c]	94.90 [c]	108.40 [c]

[a] Total traffic for all urban streets and rural roads.

[b] Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

[c] In 1979 China changed reporting to include freight carried in vehicles by all sectors.

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Table 177

Million Metric Tons Carried

Motor Vehicle Freight [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Communist countries									
USSR and Eastern Europe	**9,920**	**12,900**	**17,800**	**25,900**	**28,600**	**29,700**	NA	NA	NA
USSR	8,493	10,746	14,623	20,914	23,175	24,149	25,016	26,700	26,900
Eastern Europe	**1,430**	**2,140**	**3,170**	**4,970**	**5,430**	**5,510**	NA	NA	NA
Bulgaria	128	281	493	724	836	816	837	880	930
Czechoslovakia	428	578	703	997	1,171	1,252	NA	NA	NA
East Germany	270	346	464	588	730	730	693	608	NA
Hungary	135	239	407	501	598	590	615	NA	NA
Poland	408	569	863	1,743	2,193	2,168	1,576	1,379	NA
Romania	57	131	240	419	415	451	455	479	NA
Other									
China	708	490	568	725	816	760	715	787	835
Cuba [b]	NA	4	7	40	61	65	81	80	NA

[a] Including traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.
[b] State transport only.

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Table 178

Billion Metric Ton-Kilometers

Inland Water Freight

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [a]	123.00	162.55	229.21	265.16	319.01	334.25	339.44	312.24	309.00
European Community									
France	10.77	12.51	14.18	11.90	11.90	12.15	11.07	10.19	NA
Netherlands	20.02	24.07	30.74	29.60	33.47	33.48	31.79	31.39	NA
West Germany	40.39	43.31	48.81	47.56	50.99	51.44	50.00	49.40	NA
Communist countries									
USSR and Eastern Europe	**107**	**143**	**186**	**235**	**247**	**260**	**271**	NA	NA
USSR	99.60	133.93	173.98	221.71	232.66	244.90	255.60	262.40	273.00
Eastern Europe	**7.67**	**9.40**	**11.9**	**12.8**	**14.0**	**15.1**	**15.3**	NA	NA
Bulgaria	0.62	1.06	1.83	2.39	2.62	2.61	2.54	2.54	2.33
Czechoslovakia	1.96	2.17	2.43	2.58	3.36	3.59	3.81	3.78	NA
East Germany	2.25	2.20	2.36	2.36	1.93	2.16	2.36	2.29	NA
Hungary	1.08	1.34	1.60	1.47	1.84	2.06	2.21	NA	NA
Poland	0.90	1.41	2.36	1.95	2.04	2.33	1.91	1.57	1.45
Romania	0.86	1.22	1.35	2.08	2.18	2.35	2.44	2.56	2.30

[a] Internal, intraport, and local water traffic, excluding Great Lakes traffic. For 1981, coastwise and foreign trade traffic within US waters together amounted to 116 billion metric ton-kilometers. In the same year, traffic on the Great Lakes amounted to 92 billion metric ton-kilometers of domestic trade and 52 billion metric ton-kilometers of US foreign trade.

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Table 179

Million Metric Tons Carried

Inland Water Freight

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [a]	358.56	428.63	502.22	528.17	569.79	570.77	556.94	512.00	507.00
European Community									
France	68.05	89.76	110.35	94.58	92.86	92.20	83.57	76.41	NA
Netherlands	149.67	193.99	241.44	235.80	268.29	269.27	253.80	241.13	NA
West Germany	171.36	195.69	240.00	227.30	246.49	240.98	231.72	221.90	NA
Communist countries									
USSR and Eastern Europe	**235**	**298**	**395**	**524**	**602**	**637**	**661**	**670**	NA
USSR	210.32	269.44	357.80	475.50	537.20	568.10	594.50	604.50	606.00
Eastern Europe	**24.9**	**28.4**	**36.8**	**48.7**	**64.8**	**68.8**	**66.8**	**65.3**	NA
Bulgaria	1.56	2.32	3.69	4.41	4.89	4.94	5.05	4.98	4.78
Czechoslovakia	3.53	4.06	4.46	5.65	8.79	10.46	11.09	11.39	NA
East Germany	12.63	12.13	13.66	14.59	14.80	16.30	16.60	16.80	NA
Hungary	2.30	2.40	2.78	3.04	3.51	2.50	3.50	4.20	4.30
Poland	2.95	4.68	8.84	14.89	23.15	22.25	16.57	13.71	14.28
Romania	1.91	2.86	3.40	6.10	9.69	12.34	14.04	14.20	12.30
Other									
Cuba [b]	NA	0.37 [c]	0.93 [c]	4.83 [d]	5.04 [d]	5.25 [d]	4.66 [d]	4.67 [d]	NA

[a] Internal, intraport, and local water traffic, excluding Great Lakes traffic.
[b] Coastal freight.
[c] Transported by Flota Propia.
[d] Transported by Flota Propia and companion boats.

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Table 180

Billion Metric Ton-Kilometers

Ocean Freight [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
Communist countries									
USSR and Eastern Europe	**189**	**503**	**922**	**1,150**	**1,320**	**1,340**	**1,310**	NA	NA
USSR [b]	131.5	388.8	656.1	736.3	851.1	848.2	853.5	827.9	NA
Eastern Europe	**57.7**	**114**	**266**	**410**	**471**	**491**	**458**	NA	NA
Bulgaria [c]	2.5	9.1	38.9	42.2	60.8	62.5	63.4	59.1	61.2
Czechoslovakia	7.5	8.3	10.5	12.0	14.6	12.4	12.3	NA	NA
East Germany [c]	10.5	30.2	69.7	79.7	65.7	70.7	71.1	55.7	NA
Hungary [d]	1.3	1.7	2.7	4.0	6.4	7.6	8.2	7.9	8.0
Poland [c] [e]	34.8	56.4	106.6	206.1	250.9	257.4	217.5	191.7	197.1
Romania	1.1	8.4	37.5	66.3	72.2	80.3	85.4	88.1	NA

[a] Unless otherwise indicated, data are for international shipping and include the performance of ships of less than 1,000 gross register tons.

[b] Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.

[c] Including coastal traffic.

[d] Including Danube River traffic.

[e] Possibly excluding the performance of some ships flying the Polish flag but under control of the Chinese-Polish Shipbrokers Corporation.

Table 181

Billion Passenger-Kilometers

Air Passengers

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [a]	62.5	110.5	212.0	262.0	421.6	405.9	391.4	404.3	439.4
Canada	4.3	7.6	15.4	25.0	34.6	36.2	34.4	32.3	31.7
Japan	1.1	4.6	15.0	30.1	50.3	51.3	55.4	55.4	NA
European Community									
France	5.2	7.5	13.6	23.3	32.8	34.1	36.5	37.6	39.2
United Kingdom	7.3	10.7	19.0	30.2	52.6	56.0	56.6	49.1	51.7
Communist countries									
USSR	12.1	38.1	78.2	122.6	151.0	160.6	171.7	172.5	176.8

[a] Revenue passenger-kilometers flown on scheduled service of certificated route air carriers.

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Table 182

Million Metric Ton-Kilometers

Air Freight [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	1,377	3,363	7,277	8,603	10,400	10,200	10,100	9,780	10,140
Canada	66	156	425	628	800	820	840	910	980
Japan	24	114	426	920 [c]	1,720 [d]	1,970 [d]	2,230 [d]	2,350 [d]	NA
European Community									
France	152	232	542	1,086	2,031	2,093	2,239	2,298	2,510
Netherlands	117	212	393	617	913	996	1,100	1,086	1,230
United Kingdom	181	370	617	933	1,410 [e]	1,550 [e]	1,720 [e]	1,390 [e]	1,450
West Germany	41	157	523	974	1,586	1,585	1,584	1,688	2,042
Communist countries									
USSR	563	1,338	1,877	2,590	2,910	3,090	3,080	3,030	3,180

[a] Express, freight, and mail traffic.
[b] Revenue ton-kilometers flown on scheduled service of certificated route air carriers.
[c] Japan Air Lines data only.
[d] Japan Air Lines and Japan-Asia Airways.
[e] Excluding airlines based in the UK territories and dependencies.

Table 183

Units

Civil Aircraft Inventory [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
United States [b]									
Jet	202	712	2,136	2,114	2,422	2,469	2,465	2,504	2,691
Turboprop	227	288	374	260	246	267	331	159	204
Piston	1,408	838	153	114	79	77	79	79	78
USSR [c]									
Jet	191	227	425	1,080	1,712	1,855	1,753	1,796	1,830
Turboprop	174	555	1,238	1,500	1,800	1,925	1,710	1,700	1,655

[a] Data exclude light aircraft. No attempt has been made to standardize comparisons of the US and Soviet aircraft inventories in terms of capacity for passenger-cargo carrying and/or range capability.
[b] Large aircraft only. Data for commuters and all cargo operators not available prior to 1979. This data refers to certificate route carriers, supplementals, and commercial operators.
[c] Data basically represent the inventory of Aeroflot—the Soviet civil airline.

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Table 184

Billion Metric Ton-Kilometers

Petroleum Pipelines

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States	333.8	447.3	629.2	740.2	883.3	858.0	823.0	834.0	850.0
Communist countries									
USSR and Eastern Europe	NA	**155**	**300**	**693**	**1,180**	**1,260**	**1,300**	NA	NA
USSR	51.2	146.7	281.7	665.9	1,140.7	1,216.0	1,263.2	1,306.8	1,353.0
Eastern Europe	NA	**7.9**	**18.1**	**26.7**	**39.9**	**41.3**	**39.3**	NA	NA
Bulgaria	0	0	0	0	0.5	0.8	1.0	1.1	NA
Czechoslovakia	NA	3.2	6.4	4.4	10.1	10.3	10.1	NA	NA
East Germany	0	0.1	2.2	4.3	4.9	5.0	4.8	NA	NA
Hungary	0.1	0.3	0.7	2.5	2.8	2.9	2.9	NA	NA
Poland	NA	3.2	7.0	12.7	16.8	17.1	16.3	16.6	17.5
Romania	1.0	1.1	1.8	2.8	4.8	5.2	4.2	3.7	NA

Table 185

Million Metric Tons Carried

Petroleum Pipelines

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [a]	414.7	554.9	784.6	862.9	982.6	1,020.0	978.0	990.0	1,009.0
Communist countries									
USSR and Eastern Europe	NA	**254**	**402**	**604**	**754**	**775**	**787**	NA	NA
USSR	129.9	225.7	339.9	498.3	609.0	630.2	638.0	645.0	649.0
Eastern Europe	NA	**28.0**	**61.8**	**106**	**144**	**145**	**149.0**	NA	NA
Bulgaria	0	0	0	0	2.5	3.1	16.3	16.5	NA
Czechoslovakia	NA	7.0 [b]	13.4 [b]	14.9 [b]	21.6	21.5	20.7	19.2	NA
East Germany	0	3.8	15.4	32.1	40.9	41.6	39.4	NA	NA
Hungary	1.2	3.7	6.3	13.8	16.0	15.6	16.3	NA	NA
Poland	NA	6.1	15.4	30.5	40.7	40.7	35.8	NA	NA
Romania	5.6	7.4	11.3	14.5	22.8	22.5	20.4	18.1	NA

[a] Data are for tons originated, thus giving a more realistic comparison with the Communist countries.
[b] Crude petroleum only.

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Table 186

Thousand Units

Mainline Locomotive Inventory [a]

	1960	1965	1970	1975	1979	1980	1981	1982
OECD								
United States [b]	31.18	30.06	29.12	30.20	27.85	28.86	27.57 [c]	26.92 [c]
Austria	1.48	1.40	1.20	1.19	1.21	1.22	1.22	NA
Spain	3.64	3.38	1.70	1.14	1.20	1.21	1.22	1.23
Sweden	1.88	1.66	1.58	1.42	1.37	1.38	1.29	1.29
Switzerland	1.10	1.26	1.33	1.42	1.44	1.45	1.45	1.45
European Community	**43.0**	**32.7**	**25.0**	**23.8**	**23.3**	**23.0**	**22.9**	**22.8**
France	7.96	7.36	6.07	5.98	6.06	6.06	6.06	6.04
Italy	5.28	4.47	3.58	3.63	3.69	3.72	3.82	3.84
United Kingdom	16.05	8.08	4.45	3.86	3.71	3.53	3.33	3.23
West Germany	10.44	9.59	8.05	7.65	7.18	7.10	7.09	7.02
Communist countries								
USSR and Eastern Europe	**55.8**	**49.5**	**47.8**	**58.0**	NA	**66.4**	NA	NA
USSR	34.00	26.90	28.90	37.13	44.34	45.95	49.05	50.60
Eastern Europe	**21.8**	**22.6**	**18.8**	**20.9**	NA	**20.5**	NA	NA
Bulgaria	0.64	0.73	0.68	0.64	NA	0.80	NA	0.90
Czechoslovakia	5.23	5.20	4.60	4.98	4.48	4.27	4.24	NA
East Germany	6.00	6.00	5.00	5.92	5.62	5.62	5.50	NA
Hungary	2.46	2.60	2.00	1.92	2.36	2.40	1.30 [d]	1.70 [d]
Poland	5.80	6.33	5.07	5.52	NA	5.68	5.17	5.13
Romania	1.72	1.78	1.50	1.88	NA	1.70 [d]	NA	2.00 [d]
Other								
China	5.60	5.34	6.53	8.63	10.15	10.56	10.86	11.25
North Korea	0.35	0.40	0.49	0.67	NA	NA	NA	NA

[a] Unless otherwise indicated, data are for the state or principal railroad system and include diesel, diesel-electric, steam, and electric locomotives. Data are as of the end of the year.

[b] Data are for secondary or private railroads operating as common carriers and include gas turbine locomotives.

[c] Class I locomotives only.

[d] Does not include steam locomotives.

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Table 187

Thousand Units

Railroad Freight Car Inventory [a]

	1960	1965	1970	1975	1978	1979	1980	1981	1982
OECD									
United States [b] [c]	1,945.7	1,806.2	1,803.7	1,755.5	1,683.4	1,731.8	1,741.7	1,703.4	1,618.2
European Community									
France	362.6	362.3	302.4	283.9	257.0	252.5	253.1	250.5	245.9
United Kingdom [c] [d]	956.0	605.6	383.9	239.7	168.8	160.1	137.6	105.2	87.9
West Germany	309.6	329.5	321.0	335.1	333.1	330.7	333.1	335.1	327.0
Communist countries									
USSR and Eastern Europe									
USSR	949.0	1,030.0	1,140.0	1,410.4	1,631.9	1,697.2	1,760.2	NA	NA
Eastern Europe									
Bulgaria	22.0	33.0	37.8	43.0	NA	NA	NA	NA	22.9
Czechoslovakia	129.3	136.1	135.8	136.0	146.9	NA	150.1	NA	NA
East Germany	154.3	152.0	150.0	141.8	148.0	NA	153.0	NA	NA
Hungary	62.0	73.4	71.4	88.9	125.0	128.0	131.7	NA	76.4
Poland	249.0	263.9	274.3	305.0	211.3 [e]	NA	194.9 [e]	169.2 [e]	168.7 [e]
Romania	55.5	68.6	86.0	95.0	NA	NA	NA	NA	89.3
Other									
China [f]	132.0	143.0	175.0	237.0	269.3	282.6	290.4	296.3	303.9
North Korea [f]	10.4	15.2	23.8	45.3	NA	NA	NA	NA	NA

[a] Units of two, four, or more axles. Unless otherwise indicated, data refer to both state and private ownership of cars used on the state or principal railroad system. Data are as of the end of the year. Because of the lack of comparability in data, totals for the OECD and the Communist countries are omitted.

[b] Units of four or more axles.

[c] Including secondary or private railroads operating as common carriers.

[d] Excluding privately owned tank cars and including data for Northern Ireland.

[e] PKP railroad cars only.

[f] The majority are four-axle units.

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Table 188

Thousand Units

Civilian Truck Inventory [a]

	1960	1965	1970	1975	1979	1980	1981	1982	1983
OECD									
United States [b]	11,329	14,035	17,843	24,612	31,525	32,238	33,043	33,822	NA
European Community									
France [c]	1,598	2,134	2,678	2,078	2,536	2,642	2,759	NA	NA
United Kingdom [d]	1,442	1,726	1,768	1,677	1,986	1,919	1,885	1,849	NA
West Germany [e]	688	975	1,141	1,281	1,443	1,500	1,540	1,534	NA
Communist countries									
USSR and Eastern Europe	**3,670**	**4,620**	**5,730**	NA	NA	NA	NA	NA	NA
USSR	3,140	3,900	4,700	7,000	10,000	10,774	11,549	12,380	NA
Eastern Europe	**529**	**715**	**1,030**	NA	NA	NA	NA	NA	NA
Bulgaria	68	95	115	NA	NA	NA	NA	NA	NA
Czechoslovakia	117	140	198	261	325	340	354	358	NA
East Germany	132	166	282	301	334	348	357	356	NA
Hungary	29	43	74	109	NA	NA	NA	124	120
Poland	130	189	274	425	580	612	639	616	NA
Romania	53	82	139	150	NA	NA	NA	NA	NA
Other									
China [f]	154	230	434	914	1,445	1,644	1,796	1,959	2,135
North Korea [f]	11	30	54	116	191	NA	NA	NA	NA

[a] Unless otherwise indicated, data are as of the end of the year and include wheeled tractors for road haulage and exclude military trucks of all types.

[b] Data are for the number of registrations of privately owned trucks and include duplications when trucks are registered in more than one state.

[c] Beginning in 1975, only trucks less than 10 years old are being counted.

[d] Including data for Northern Ireland. Data are as of 1 October of the stated year.

[e] As of 1 July of the stated year.

[f] Including both military and civilian trucks.

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Table 189

Offloading Ports Accessible to Fully Loaded Tankers of 200,000 Deadweight Tons and Larger, January 1984

	Port	Largest Loaded Tanker Accommodated (Thousand DWT)
OECD		
Canada	Come by Chance	500
	Saint John, New Brunswick	350
	Point Tupper	350
France	Antifer	500
	Marseilles/Fos	400
	Dunkirk	300
	Le Havre	290
	Sete	275
	Bordeaux	250
Finland	Porvoo	230
Greece	Aghii Theodori	250
	Megara	540
Ireland	Bantry Bay	500
Italy	Gela	500
	Genoa	500
	Syracuse (Sicily)	380
	Milazzo (Sicily)	330
	Ancona	300
	Falconara	300
	Ravenna	265
	Augusta (Sicily)	250
	Porto Torres (Sardinia)	250
	Savona/Vado	260
	Taranto	260
	Gaeta	260
	Sarroch/Cagliari (Sardinia)	200
Japan	Kagoshima (Kiire)	500
	Okinawa	500
	Niigata	280
	Kashima	200
	Kawasaki	270
OECD (continued)		
Japan (continued)	Uhita	270
	Yokaichi	270
	Yokohama	270
	Nagoya	255
	Chiba	250
	Oita	250
	Himeji	250
	Shimizu	250
	Shimotsu	250
	Tokuyama	250
	Tomakomai	250
	Mizushima	230
	Ube	230
	Owase	210
	Fukuyama	200
Malaysia	Bintulu	320
	Trenggnu	250
Netherlands	Rotterdam/Europoort	600
Norway	Narvik	400
	Mongstad	300
	Slagenstangen (Oslo)	260
Portugal	Sines	500
Spain	Bilbao	500
	Malaga	300
	Tarragona	300
	Algeciras	250
	Cartagena	274
	Las Palmas (Canary Islands)	250
	Teneriffe (Canary Islands)	240
Sweden	Brofjorden	400
	Goteborg	250
Turkey	Izmit/Tutunciftlik	280
	Ambarei	250

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Table 189 (continued)

Offloading Ports Accessible to Fully Loaded Tankers of 200,000 Deadweight Tons and Larger, January 1984

	Port	Largest Loaded Tanker Accommodated (Thousand DWT)
OECD (continued)		
United Kingdom	Finnart	330
	Milford Haven	300
	Southhampton	300
	Sullom Voe	300
	Coryton	280
	Liverpool	270
	Humber River	210
United States	L.O.O.P.	700
	Riverhead, L.I.	225
West Germany	Wilhelmshafen	300
Other countries		
Bahamas	Freeport	500
	South Riding Point	450
Brazil	Ilha Grande Bay	500
	Sao Sebastio	300
	Itaqui	280
	Sao Francisco do Sul Brazil	200
	Tramandai	200
Other countries (continued)		
Chile	Quintero Bay	210
Colombia	Santa Marta	400
Israel	Eilat	500
	Ashkelon	250
Netherlands Antilles	Curacao/Bullen Bay	530
	Bonaire	500
	Aruba	550
Philippines	Batangas	300
Singapore	Singapore	325
South Africa	Durban	300
South Korea	Ulsan	300
China (Taiwan)	Kaohsiung	250
Trinidad	Point-a-Pierre	270
	Galeota Point	250
Yugoslavia	Omishal	350

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Table 190

Merchant Fleet Inventory [a]

	1965		1970		1975		1980		1982		1983	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World total	**17,825**	**214,069**	**19,503**	**325,149**	**22,353**	**556,388**	**23,855**	**638,080**	**24,467**	**660,024**	**24,503**	**647,091**
Non-Communist countries	**16,243**	**202,277**	**17,020**	**303,720**	**19,222**	**523,247**	**20,035**	**590,671**	**20,583**	**610,627**	**20,544**	**595,798**
OECD	12,440	148,453	12,164	208,962	11,286	316,611	10,971	323,209	10,111	311,099	9,779	293,889
Non-European Community	6,573	80,586	6,291	109,801	5,341	158,533	4,556	145,348	4,537	150,904	4,477	143,839
United States [b]	2,376	28,283	1,579	21,346	857	17,694	568	20,169	557	21,415	536	20,755
Japan	1,333	16,450	2,109	39,142	2,051	63,238	1,843	57,322	1,828	63,053	1,800	59,536
Norway	1,365	23,538	1,173	32,374	991	47,796	613	36,789	576	35,309	536	31,790
Sweden	443	5,643	366	6,898	324	12,723	258	6,378	241	4,907	237	4,923
Other	1,056	6,672	1,064	10,041	1,118	17,082	1,274	24,689	1,335	26,220	1,368	26,836
European Community	5,867	67,867	5,873	99,161	5,945	158,078	6,415	177,861	5,574	160,195	5,302	150,051
France	542	6,406	457	9,007	444	17,690	354	20,327	325	17,060	318	15,855
Greece [c]	916	10,388	1,195	18,214	1,804	37,638	2,835	67,067	2,486	66,304	2,340	65,306
Italy	588	6,917	625	9,803	633	16,081	647	17,331	618	16,088	600	14,617
United Kingdom	2,052	26,385	1,772	37,065	1,576	54,913	1,313	45,386	896	33,679	784	28,710
West Germany	843	7,184	993	11,697	611	13,453	470	11,630	434	10,487	436	8,878
Other	926	10,587	831	13,375	877	18,303	796	16,120	815	16,577	824	16,685
Non-OECD countries	3,803	53,824	4,856	94,758	7,936	206,636	9,064	267,462	10,472	299,528	10,765	301,908
Flag of Convenience	1,898	38,341	2,686	72,065	4,675	159,568	4,863	189,477	5,413	196,090	5,530	194,969
Cyprus	21	207	217	1,933	573	4,762	347	2,212	345	3,641	446	7,752
Liberia	1,313	30,906	1,840	60,992	2,546	132,694	2,191	150,058	2,055	136,714	1,932	130,359
Panama	564	7,228	629	9,140	1,556	22,112	2,325	37,207	3,013	55,735	3,152	56,858
Other countries	1,905	15,483	2,170	22,693	3,261	47,068	4,201	77,985	5,059	103,438	5,235	106,939
Brazil	227	1,590	201	2,017	260	4,546	278	7,681	318	9,283	304	9,038
India	210	2,266	242	3,709	308	6,943	365	9,359	385	10,075	376	10,094
Malaysia/Singapore	8	19	99	643	429	8,118	651	12,571	663	13,814	651	13,220
Other	1,460	11,608	1,628	16,324	2,264	27,461	2,907	48,374	3,693	70,266	3,904	74,587

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Table 190 (continued)

Merchant Fleet Inventory [a]

	1965		1970		1975		1980		1982		1983	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
Communist countries	**1,582**	**11,792**	**2,483**	**21,429**	**3,131**	**33,141**	**3,820**	**47,409**	**3,884**	**49,612**	**3,959**	**51,293**
USSR and Eastern Europe	1,171	9,462	1,939	16,845	2,290	23,337	2,527	30,143	2,533	31,224	2,544	31,961
USSR [d]	985	7,961	1,395	11,921	1,622	15,044	1,725	18,919	1,727	19,648	1,740	20,472
Eastern Europe	186	1,501	544	4,924	668	8,293	802	11,531	806	11,576	804	11,489
Bulgaria [e]	60	548	106	948	110	1,228	103	1,617	102	1,730	105	1,766
Czechoslovakia [f]	9	105	12	138	14	221	16	227	19	275	19	275
East Germany	60	550	130	1,310	146	1,729	158	1,864	149	1,617	150	1,632
Hungary	17	23	16	28	16	67	22	114	21	109	21	109
Poland [g]	10	105	230	2,000	289	3,866	312	4,705	303	4,713	284	4,212
Romania	30	170	50	500	93	1,182	191	2,698	212	3,131	225	3,495
Other	411	2,330	544	4,584	841	9,804	1,293	17,266	1,351	18,388	1,415	19,332
Albania [h]	8	44	11	72	11	72	10	74	10	74	10	74
China	190	1,075	269	1,944	495	6,082	870	11,800	957	12,817	1,015	13,640
Cuba	31	203	53	428	64	581	78	893	89	973	88	966
Yugoslavia	180	1,000	200	2,100	229	2,826	262	3,785	257	3,839	262	3,963
Other [i]	2	8	11	40	42	243	73	714	38	686	40	689

[a] Ships of 1,000 gross register tons (GRT) or more. Data are as of the end of the year. Data for the non-Communist countries include all combination passenger and cargo ships, whereas, unless otherwise indicated, those for the Communist countries exclude passenger ships that have small cargo capacities.

[b] Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[c] Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[d] Excluding the Caspian Sea Fleet passenger ships and vessels subordinate to the Ministry of the Fishing Industry.

[e] Before August 1968, a few additional Bulgarian-owned ships were operated under the flags of non-Communist countries.

[f] Until March 1967, an undetermined number of Czechoslovak-flag ships were jointly owned with China.

[g] Including some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1983, there were 24 of these ships.

[h] Data include a number of ships jointly owned by the Chinese-Albanian Joint Stock Shipping Company.

[i] Including North Korean, Vietnamese, and Kampuchean vessels.

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Table 191

Tanker Fleet Inventory [a]

	1965		1970		1975		1980		1982		1983	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
World total	**3,533**	**89,576**	**4,119**	**152,450**	**5,177**	**301,667**	**5,439**	**379,869**	**5,647**	**374,044**	**5,600**	**352,592**
Non-Communist countries	**3,290**	**85,629**	**3,759**	**146,555**	**4,736**	**292,241**	**4,910**	**366,527**	**5,126**	**360,907**	**5,029**	**339,347**
OECD	2,350	58,883	2,528	96,952	2,917	173,746	2,855	197,425	2,830	187,552	2,671	171,561
Non-European Community	1,274	32,365	1,328	48,690	1,469	88,179	1,450	97,251	1,515	99,542	1,446	92,005
United States [b]	341	7,561	294	7,739	267	9,711	273	15,024	279	16,445	261	15,803
Japan	236	6,965	368	16,036	531	33,950	567	34,486	578	36,565	535	32,671
Norway	467	13,599	363	17,351	332	28,467	273	28,899	297	28,349	283	25,253
Sweden	73	2,098	80	2,887	79	6,524	69	4,087	74	2,899	71	2,907
Other	157	2,142	223	4,677	260	9,527	268	14,755	287	15,285	296	15,371
European Community	1,076	26,518	1,200	48,262	1,448	85,567	1,405	100,174	1,315	88,010	1,225	79,557
France	157	3,682	135	5,799	154	13,190	120	16,632	101	12,910	97	11,738
Greece [c]	129	2,970	216	7,714	345	15,557	422	27,997	401	29,078	362	27,883
Italy	143	2,872	198	4,585	236	7,953	247	11,758	237	10,517	233	9,261
United Kingdom	441	11,562	434	20,863	459	32,869	426	30,733	340	22,562	300	19,150
West Germany	48	1,295	59	2,956	83	5,627	67	5,353	91	5,329	89	4,046
Other	158	4,137	158	6,345	171	10,371	123	7,702	145	7,613	144	7,479
Non-OECD countries	940	26,746	1,231	49,603	1,819	118,495	2,055	169,102	2,296	173,355	2,358	167,786
Flag of Convenience	686	23,310	916	42,708	1,299	100,554	1,252	130,445	1,296	124,236	1,316	120,196
Cyprus	1	13	13	214	47	860	21	194	33	1,367	56	4,024
Liberia	534	19,018	730	36,802	1,014	89,470	943	116,018	850	101,713	809	96,496
Panama	151	4,279	173	5,692	238	10,224	288	14,233	413	21,156	451	19,677
OPEC	38	571	42	1,315	82	4,245	206	12,740	284	19,375	303	18,263
Iraq	0	0	0	0	10	380	22	2,164	21	2,151	20	2,139
Kuwait	3	161	6	787	7	1,150	22	2,613	29	2,841	31	3,106
Libya	0	0	0	0	5	410	14	1,506	14	1,507	14	1,507
Venezuela	14	284	16	372	15	440	13	409	20	830	25	947
Other	21	126	20	156	45	1,865	135	6,047	200	12,045	213	10,564
Other Non-OPEC	216	2,865	273	5,580	438	13,696	597	25,917	716	29,744	739	29,326
Brazil	46	604	45	810	53	944	74	5,032	83	5,455	84	5,365
India	8	217	13	510	25	1,510	47	3,467	55	3,664	54	3,624
Other	162	2,044	215	4,260	360	11,242	476	17,419	578	20,624	601	20,338

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Table 191 (continued)

Tanker Fleet Inventory [a]

	1965		1970		1975		1980		1982		1983	
	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT	Number	Thousand DWT
Communist countries	**243**	**3,947**	**360**	**5,895**	**441**	**9,426**	**529**	**13,342**	**521**	**13,137**	**571**	**13,245**
USSR and Eastern Europe	212	3,562	301	5,108	331	6,975	361	10,081	354	10,121	392	9,977
USSR [d]	184	3,125	265	4,389	280	4,796	310	7,537	310	7,908	351	8,193
Eastern Europe	28	437	36	719	51	2,179	51	2,544	44	2,212	41	1,784
Bulgaria	11	160	18	267	20	472	18	549	16	518	16	518
East Germany	10	144	9	288	16	612	12	427	8	196	9	210
Poland	5	95	5	95	8	665	13	982	13	980	9	538
Romania	2	38	4	69	7	430	8	586	7	518	7	518
Other	31	385	59	787	110	2,451	168	3,260	167	3,017	179	3,268
China	19	135	38	375	80	1,916	132	2,513	140	2,168	153	2,436
Cuba	2	5	3	26	6	75	11	111	13	116	13	116
Yugoslavia	10	245	15	380	14	378	13	434	9	376	9	376
Other [e]	0	0	3	6	10	82	12	202	5	357	4	340

[a] Tankers and whaling tankers of 1,000 gross registered tons (GRT) or more. Data are as of the end of the year and include specialized oil and chemical tankers and some combination carriers (oil/dry bulk carriers). For the purposes of this table, the tonnage is converted to deadweight (DWT).

[b] Excluding ships operating only on the Great Lakes and US-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[c] Excluding Greek-owned ships flying the Liberian, Panamanian, and other "flags of convenience."

[d] Excluding the Caspian Sea Fleet and tankers assigned to the Ministry of the Fishing Industry.

[e] Including North Korean, Vietnamese, and Kampuchean vessels.

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Table 192

Fishing Fleet Inventory [a]

	1970		1975		1980		1981		1982		1983	
	Number	Thousand GRT [b]	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
OECD												
United States	201	74	1,743	398	2,537	524	2,750	551	2,950	593	3,152	643
Japan	2,386	978	3,149	1,217	2,989	1,107	3,023	1,102	3,042	1,092	3,003	1,096
Norway	635	182	621	211	715	240	663	230	658	233	629	224
Spain	1,364	433	1,744	550	1,776	558	1,699	532	1,651	518	1,611	506
European Community	**2,140**	**760**	**2,460**	**899**	**2,298**	**731**	**2,347**	**727**	**2,264**	**678**	**2,190**	**652**
France	660	195	620	200	514	170	495	162	483	154	480	159
Netherlands	284	57	392	93	386	94	406	98	366	96	393	101
United Kingdom	577	235	618	236	516	169	473	144	443	121	372	103
West Germany	182	147	147	145	136	117	126	104	118	90	107	77
Communist countries												
USSR and Eastern Europe	**3,430**	**4,440**	**4,720**	**6,560**	**5,180**	**7,500**	**4,880**	**7,480**	**4,650**	**7,290**	**4,650**	**7,410**
USSR	3,055	3,997	4,219	5,937	4,564	6,678	4,273	6,670	4,064	6,500	4,063	6,607
Eastern Europe	**373**	**445**	**498**	**626**	**615**	**819**	**608**	**807**	**583**	**793**	**585**	**800**
Bulgaria	17	55	34	94	40	110	39	108	39	108	39	108
East Germany	172	136	164	147	171	173	168	165	149	159	149	163
Poland	176	231	270	282	357	354	351	344	342	330	338	319
Romania	8	23	30	103	47	182	50	190	53	196	59	210
Other												
Cuba	167	66	181	81	264	172	264	173	265	168	265	168
Yugoslavia	3	1	3	1	8	3	9	2	8	1	13	2

[a] Data are as of midyear.
[b] Gross register tons; excluding ships under 100 GRT.

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Conversion Factors

To Convert From	To	Multiply By
Acres	Hectares	0.4046856
Acres	Kilometers, square	0.004046856
Acres	Meters, square	4046.856
Centimeters	Meters	0.01
Centimeters, square	Meters, square	0.0001
Degrees, Fahrenheit	Degrees, Celsius	subtract 32 and multiply by 5/9
Feet	Centimeters	30.48
Feet	Meters	0.3048
Feet	Kilometers	0.0003048
Feet, cubic	Liters	28.316847
Feet, cubic	Meters, cubic	0.028316847
Feet, square	Centimeters, square	929.0304
Feet, square	Meters, square	0.09290304
Gallons, US liquid	Liters	3.785412
Gallons, US liquid	Meters, cubic	0.003785412
Grams	Ounces, troy	0.032151
Grams	Pounds, troy	0.002679
Hectares	Kilometers, square	0.01
Hectares	Meters, square	10,000
Inches	Centimeters	2.54
Inches	Meters	0.0254
Inches, cubic	Milliliters	16.387064
Inches, cubic	Liters	0.016387064
Inches, cubic	Meters, cubic	0.000016387064
Inches, square	Centimeters, square	6.4516
Inches, square	Meters, square	0.00064516
Kilograms	Ounces, troy	32.15075
Kilograms	Pounds, troy	2.679229
Kilograms	Tons, metric	0.001
Kilometers, square	Hectares	100
Liters	Milliliters	1000
Liters	Meters, cubic	0.001
Meters	Millimeters	1000
Meters	Centimeters	100
Meters	Kilometers	0.001
Meters, cubic	Liters	1000
Meters, cubic	Tons, register	0.353147
Miles, nautical	Kilometers	1.852
Miles, statute	Centimeters	160934.4
Miles, statute	Meters	1609.344
Miles, statute	Kilometers	1.609344
Miles, square	Hectares	258.9998
Miles, square	Kilometers, square	2.589998
Ounces, avoirdupois	Grams	28.349523
Ounces, avoirdupois	Kilograms	0.028349523
Ounces, troy	Pounds, troy	0.083333
Ounces, troy	Grams	31.10348
Pints, liquid	Milliliters	473.176473
Pints, liquid	Liters	0.473176473
Pounds, avoirdupois	Grams	453.59237
Pounds, avoirdupois	Kilograms	0.45359237
Pounds, avoirdupois	Quintals	0.00453592
Pounds, avoirdupois	Tons, metric	0.000453592
Pounds, troy	Ounces, troy	12
Pounds, troy	Grams	373.241722
Quarts, dry	Liters	1.101221
Quarts, dry	Dekaliters	0.1101221
Quarts, liquid	Milliliters	946.352946
Quarts, liquid	Liters	0.946352946
Quintals	Tons, metric	0.1
Tons, long	Kilograms	1016.047
Tons, long	Tons, metric	1.016047
Tons, metric	Quintals	10
Ton-miles, long	Ton-kilometers, metric	1.635169
Ton-miles, short	Ton-kilometers, metric	1.459972
Tons, register	Meters, cubic	2.831685
Tons, short	Kilograms	907.185
Tons, short	Tons, metric	0.907185
Yards	Centimeters	91.44
Yards	Meters	0.9144
Yards, cubic	Liters	764.5549
Yards, cubic	Meters, cubic	0.7645549
Yards, square	Meters, square	0.836127

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